Woodward-Wanger Co. Philadelphia, Pa.

Plumbing Specialties



IS THE PROPERTY OF

Woodward-Wanger Co.

Philadelphia, Pa.

AND IS LOANED TO

S. E. Quince Co. #14

With the hope that it will prove helpful and convenient in ordering by mail. We trust you will keep it constantly handy and use it frequently. All mail orders are shipped by us the day they are received.

We will send you new pages from time to time in order that this catalog may be kept up-to-date.

and a contraction of the contrac





Digitized by

The Association for Preservation Technology International

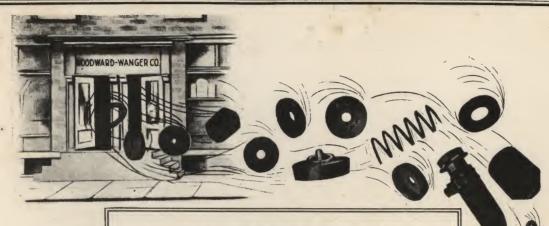
For the

Building Technology Heritage Library

http://archive.org/details/buildingtechnologyheritagelibrary







SECTION I

RUBBER, LEATHER AND FIBER SPECIALTIES



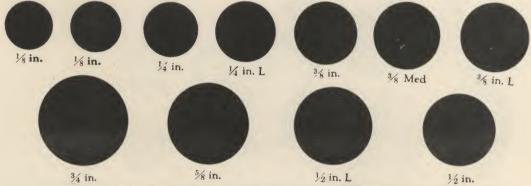




The Use for Which Our Washers are Best Suited

- NEVER-DRIP On the practical Washer Testing Machine, shown on the opposite page, it has outlasted all other faucet washers in comparative tests. It is good for either hot or cold water; especially recommended where extremely Hot water is used.
 - RHINO A tough flexible washer, good for Hot or Cold water and particularly where ease of operation is desired. Will stand up much longer than most flexible Washers.
 - DUBO A scientific combination of Rubber and Shredded Asbestos, blended to give the highest possible abrasive test. Made in three degrees of flexibility and denseness, in order to produce as nearly as possible, an all-service washer. Furnished in Soft, Medium and Hard.
 - SUPERBO Made from the same ingredients as the "Dubo"—Rubber and Shredded Asbestos. The only difference is in the shape; the "Superbo" being a flat washer. Also supplied in Soft, Medium and Hard.
 - FLEXO Made of Cotton Fibre, glycerine cured. Good for either Hot or Cold water. Furnished in two thicknesses. We recommend the "Thin-Hard" for Hot Water and the "Thick-Soft" where faucets have defective seats.
- RED FIBER Made of Cotton Pulp, and not acid cured. That's why our Red Fiber Washers are superior to ordinary cheap Red Fiber Washers. They are usually made of Wood Fiber, which quickly breaks down.
- LEATHER (Vim Chrome). We have tried for years to get a better Leather Washer—and our efforts have been rewarded. This leather is tested for neutrality, subjected to a boiling test to determine if it is completely tanned—not just stuffed with hard greases. The pores of the leather are closed, which prevents the leather absorbing water, and rotting, as most leather washers do.
- LEATHER Made from Leather which has been especially tanned for this work.

ACTUAL SIZES OF FAUCET WASHERS



O. D. MEASUREMENTS of FAUCET WASHERS

Washer Size Outside Diameter of Washer	Washer Size Outside Diamete of Washer	r
$\frac{1}{8}$ in	½ inMeasures34 in	
$\frac{1}{8}$ in. Large Measures 17/32 in.	½ in. Large Measures	1.
1/4 in	5/8 in	1.
1/4 in. Large Measures	3/4 in	1.
³ / ₈ in	1 in	1.
3/8 in. Medium Measures 22/32 in.	1½ in	,
3/8 in. Large Measures23/32 in.	1½ in Measures 1-9/16 in	

We Wanted to Know the TRUTH about Washers ~ so we built this WASHER 'TESTING' MACHINE

The old way of testing a Washer was to put it on a faucet, and then see how long it would last. Or maybe the Washer was put through a boiling process, to see how long it would retain its life in hot water.

But these tests have never been satisfactory, and simply resulted in a poor guess as to their merits.



WE KNOW WHAT A WASHER WILL DO UNDER TEST

We could hit a Washer with an axe, but that wouldn't be the right kind of a test.

Our test is about the nearest we can come to the actual wear the Washer will receive.

And if there are any imperfections, they will surely show up at the end of a day or

And the automatic counting device on the left hand side of



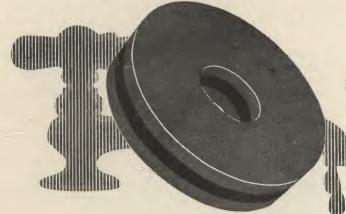
the Machine counts the operations as they are made.
THERE'S NO GUESS ABOUT THE RESULT

W-W WASHERS—BEST BY TEST

The Faucet Washers in our line have been thoroughly tested on this Machine, and we are able to truthfully say that they will stand up under most severe conditions.







IDENTIFIED BY THE BLACK STRIPE

The Faucet Washer with the Black Stripe

We have been endeavoring for years to produce a Faucet Washer with some individuality, and, at the same time, one that we could safely say was the superior of all other Washers on the market.

Our hope has been realized in the production of the "NEVER-DRIP" Faucet Washer—the Washer with the Black Stripe—the Washer Tested to a Million Faucet Turns.

THE PUBLIC DEMAND "NEVER-DRIP" WASHERS

Our National Advertising, and the fact that the "NEVER-DRIP" Washer is so easily identified by its Black Stripe, is creating an almost unbelievable demand for this Washer.

People know it by sight and by name—and they demand it. It is the ONLY Washer in the entire country known by name and

USE "NEVER-DRIP" WASHERS ON EVERY JOB

Master Plumbers are always looking for an opportunity to enhance their reputation in the minds of their customers.

Here is opportunity knocking at your door. Admit Mr. "NEVER-DRIP" FAUCET WASHER, and he will repay you many times for your confidence in him. Introduce this new friend to every customer you have—use the "NEVER-DRIP" Washer on every job.

Sold Through Master Plumbers Only

Plumbers Only
Our policy is to sell the "NEV-ER-DRIP" Washer through Master Plumbers only.
This means that your customers cannot purchase this Washer in the Five-and-Ten-Cent Store, nor in the Hardware Store.
It also means that they must come to you for it, and that this business belongs entirely to you—the Master Plumber.
Are you displaying these Washers in your Window and on your Show Case?

NEVER-DRIP FAUCET WASHERS

1/8" THICK-PACKED 100 TO THE BOX

No.	Size	No.	Size
O-59(small)	1/8 in. S	O-64.	½ in.
O-60.	1/8 in.	O-65(large)	
O-61	1/4 in.	O-66.	5/8 in.
O-72(large)	1/4 in. L	O-67	3/4 in.
O-62	3/8 in.	O-68	1 in.
O-63(large)	3/8 in.L		
O-58 (medium)	3/8 in. M		

EVERY FAUCET NEEDS A NEVER-DRIP—JUST ONCE





NEVER-DRIP ASSORTMENTS



A-O-73



A-O-74

BECAUSE NEVER - DRIP WASHERS

are so universally acknowledged to be the "peer" of Washers (especially for extremely hot water,) we have found a persistent demand for Boxes of Assorted Sizes.

POPULAR "NEVER-DRIP" ASSORTMENTS

125 ASSORTED SIZES

A-O-73—125 Assorted Never-Drip as follows: 10—1/8", 25—1/4", 25—1/4"L, 45—3/8", 10—3/8"L, 10—1/2"

500 ASSORTED SIZES

A-O-74-500 Assorted Never-Drip as follows: 50-1/8", 100-1/4", 100-1/4"L, 150-3/8", 50-3/8"L, 50-1/2"

Assortments will be changed to suit customer at no additional charge

WHAT OUR TEST MEANS



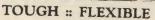
Take hold of a Faucet Handle, and start opening and closing it.
Suppose you did this 25,000 times per day and for FORTY CONSECUTIVE DAYS—making ONE MILLION complete operations?
That's the test that the "NEVER-DRIP" Faucet Washer has stood.





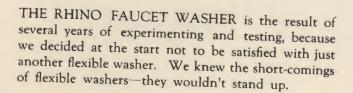


Rhino



BEVELED

Faucet Washers





We wanted something better—and WE HAVE IT—thanks to the newly discovered LA-TEX-TOL—a new form of treating rubber, which reduces it to its highest "punishment-resisting" form. The RHINO is the toughest moderately flexible washer ever made.

BEVELED "RHINO" WASHERS

66	(large)	1/4"	69		3/.// T
			70	I I I I I I I I I I I I I I I I I I I	1/11

"Rhino" Assortments

125 ASSORTED SIZES

A-77—125 Assorted Beveled Rhino as follows: 10—1/8", 25—1/4", 25—1/4"L, 45—3/8", 10—3/8"L, 10—1/2"



500 ASSORTED SIZES

A-78—500 Assorted Beveled Rhino as follows: 50—1/8", 100—1/4", 100—1/4"L, 150—3/8", 50—3/8"L, 50—1/2"











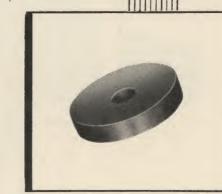
Rhino

FLAT

TOUGH :: FLEXIBLE

Faucet Washers

THE FLAT RHINO WASHER was added to the line because of the immediate popularity of the "beveled" Rhino. Plumbers found this washer so superior in its lasting quality over most flexible washers, that they at once began demanding the same washer in the flat form.



THE FLAT RHINO is made from the same material as the beveled Rhino—LATEX-TOL—which is rubber in its most rugged form—a new method of processing which renders it almost immune to punishment.

FLAT "RHINO" WASHERS

No.		Size	No.	Size
145		1/4"	148	(large) 3/8" I. (medium) 3/8" M
146	(large)	1/4" T.	149	/8 M

"Rhino" Assortments

125 ASSORTED SIZES

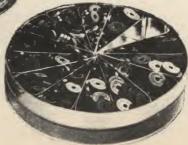
A-151—125 Assorted Flat Rhino as follows: 25—1/4", 25—1/4"L, 45—3/8", 20—3/8"L, 10—1/2"



500 ASSORTED SIZES

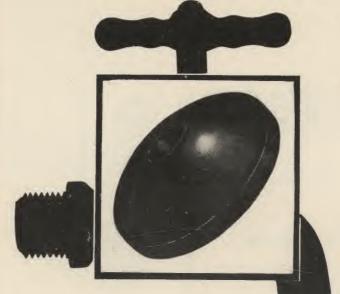
A-152—500 Assorted Flat Rhino, as follows: 100—1/4", 100—1/4"L, 150—3/8", 100—3/8"L, 50—1/2"

Assortments will be changed to suit customer at no additional charge









"DUBO" WASHERS

For Hot and Cold Water
BEVELED—DOUBLE SEATING









(MADE FROM RUBBER AND ASBESTOS)

Our Hard and Medium "DUBO" Faucet Washers contain a large percentage of pure Asbestos, insuring greater durability and lasting resiliency.

This illustration shows a piece of crude Asbestos just as it comes from the mine, split to show the mineral fibers.



Asbestos is one of the most remarkable substances found in nature.

It has lain in the earth millions of years, unaffected by any of the forces of rot, decay or disintegration.

Asbestos will withstand flame and high temperatures, and is immune against the action of the chemicals in water.

DUBO Faucet Washer Assortments

125 ASSORTED SIZES

A-55—125 Assorted Dubo as follows: 10—1/8", 25—1/4", 25—1/4"L, 45—3/8", 10—3/8"L, 10—1/2"

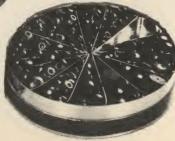


500 ASSORTED SIZES

A-56—500 Assorted Dubo as follows: 50—1/8", 100—1/4", 100—1/4"L, 150—3/8", 50—3/8"L, 50—1/2"

Assortments will be changed to suit customer at no additional charge

Specify Whether Hard, Medium or Soft is Wanted





Faucet DUBO Washer

The famous ALL-PURPOSE Washer, made in three grades SOFT—MEDIUM—HARD



PACKED 100 IN LOCK TOP CAN

BEVELED DOUBLE SEATING

DUBO HARD

DUBO MEDIUM

M-56	M-50	
M-47	11 11 111 -	
M-54	M—52	-
M-48	$M-533\frac{3}{4}$ "	
M-49(large) 3/" I	4	

DUBO SOFT

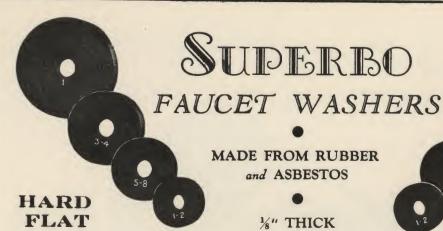
S-56	5-50
S-47	S-50
S-54(large) 1/4" L	S-51(large) ½" L
S-48	S-52
S-49 (large) 3/" I	S-53 ³ / ₄ "





MEDIUM

FLAT



HE "SUPERBO" WASHER is made of exactly the same composition (Rubber and Asbestos) as our famous Dubo. It is really a flat "Dubo" and distinguished in shape by the name Superbo. It contains sufficient shredded Asbestos to insure perfect resistance to heat and consequently gives excellent service on hot water faucets. At the same time its flexibility, especially in the "medium" grade, makes it a very satisfactory washer for cold water.

The "Superbo" will not crack or gum. Made in regular and Special sizes.

Hard "Superbo" Washers

	THE TENED IN I EN	CARLON	
No.	Size	No.	Size
H74	(large) 1/4" L	H-79(large)	1/6" I
		H-80	5/11
H-76	3/8"	H-81	
H77			
11 77	(large) 78 L	H-82	1.
H-/8			

Medium "Superbo" Washers

This Medium "Superbo" Washer is made of the same composition as the Hard "Superbo," but cured to a greater degree of flexibility for those who prefer this type washer.

	PACKED 100 PI	ER CARTON	
No.	Size	No.	Size
M-74	(large) 1/4" L	M—79	(large) 1/2" L
M-75	1/4"	M-80	8/11
M-76	3/11	M-81	3/1"
M-77	(large) 3/4"L	M-82	
M-78	1/2"		

Soft "Superbo" Washers

WITHOUT ASBESTOS

There is no Asbestos in the "Soft" Superbo. It is made from tough non-blooming Pure India Rubber Stock. Makes an excellent ball cock washer, or can be used wherever a "Soft" washer is needed.

S -74(large) 1/4" L	S-79(large) ½" L
$S - 75 \dots 1/4''$	S-80
S -76 ³ / ₈	S-81 ³ / ₄ "
S -77(large) 3/8" L	S-821"
S -78	





TWO DEGREES OF HARDNESS



TWO DEGREES OF THICKNESS



COTTON FIBER—GLYCERINE CURED

(Packed 100 per Carton)

Thin Hard "Flexo" Faucet Washers-1/8 in. Thick

NI-		1/6 in. I nick	
No. 0	1/4 in. L	No. 4	½ in. L
(auge)	78 In. L		/4 III.

Thin Soft "Flexo" Faucet Washers-1/8 in. Thick (Packed 100 per Carton)

No.	Packed 100	per Carton)	
-10.	C:	No.	
14	. ½ in.	17	Size
23	1/ •	17(large)	3/8 in. L
25(large	e) ¼ in. L	18(large)	$\frac{1}{2}$ in.
16talge	3/.	(large)	1/2 in. L
		20(large)	5/8 in.

Thick Soft "Flexo" Faucet Washers-3/16 in. Thick (Packed 100 per Carton)

No.	(Pa	acked 100	0 per Carton)	
		Cin-	No.	
30		½ in.	35 Size	
10	····· (lame)	1/. Y	3/.	
JA		0.4		
	(large)	3/ 1	11/.	
33	(large)	1/4	1./.	,
	(large)	1/2 in. L		





Red Fiber Faucet Washers









These washers are made from best grade of Red Fiber and guaranteed to be the highest quality of this class of goods.

Clean-cut and uniform in shape—closely inspected before packing.

No. 105	1/4 in. L 3/6 in.	No. 108 (large) 110.	½ in. L
107(large)	3/8 in. L	111	% in.

"Vim" Chrome Leather Washers



(Vim Chrome). We have tried for years to get a better Leather Washer—and our efforts have been rewarded. This leather is tested for neutrality, subjected to a boiling test to determine if it is completely tanned—not just stuffed with hard greases. The pores of the leather are closed, which prevents the leather absorbing water, and rotting, as most leather washers do.

No. Size 135 14 in. 135½. (large) ¼ in.L 136½. (large) 38 in. 136½. (large) 38 in.L	No. Size 137½ (large) ½ in. L 138 ½ in. L 139 ¾ in. 140 1 in.
136½	139. 34 in. 140. 1 in.

Leather Faucet Washers



Made from a good grade of leather, cured with special oil compound, insuring long wear and good service Exact in size and uniform throughout.

The "Enduro" Fuller Ball



Nos. 270-278

"Enduro" Fuller Balls are Carefully Moulded from a Special Compound of Pure Rubber and Shredded Asbestos

The "ENDURO," so far as quality is concerned, is the Aristocrat among Fuller Balls. It is made not only to sell, but also to work and last, absolutely no Graphite or other cheap filler or lubricant being used in its manufacture. Carefully vulcanized to the exact degree of density to allow of sure and easy seating canace

density to allow of sure and easy seating capacity, and, at the same time, to insure that the hottest water will not cause them to swell, crack

The shape of the "ENDURO" is absolutely correct for the best results in practical use, and the sizes, which are accurate and cover the whole range of Fuller work from 3/8 to 1 inch, including the intermediate sixteenths, enable the Plumber to fit properly, and without loss of time, all of the numerous styles and sizes of Fuller Faucets used in different localities.

While the "ENDURO" is unequalled for hot

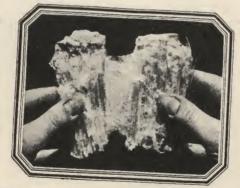
water, it is just as good for cold.

ORDER BY NUMBER

No	LIC	DI NOMBER	
270	Size	No.	
270	3/8 in.	275 Si 276 3/4 277 18	ze
272	· · ½ in.	276 3/4	in.
273	16 In.	277 13	in.
273 274	· · /8 in.	277 18 278 7/8 1	in.
	· · 16 In.	1	in.

"Enduro" Fuller Balls Contain a Large Percentage of Pure Asbestos

This illustration shows a piece of crude Asbestos, just as it comes from the mine, split to show the mineral fibers.



Asbestos is one of the most remarkable substances found in nature.

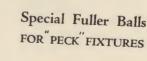
Its unique properties are unparalleled. Wood burns - Asbestos will withstand flame and high temperatures. Stone disintegrates-Asbestos long resists erosion. Steel rusts -Asbestos is immune.

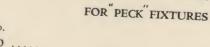


















SPECIAL COMPRESSION WASHERS

KOHLER COMPRESSION WASHER

•€3 -



Our No.	Kohler No.	Inside Dia.	Out. Dia.
O 59	10745-3/8"	3/16"	1/2"
O-72	10745-1/2"	3/16"	5/8"
0-66	107453/"	3/16"	7/011

W-W TOP PACKING



1180-S, Small Size for Basin Faucets 1180-Large Size for Bath Faucets Come in Sets of Three, (1) Packing, (1) Fibre Washer, (1) Brass Washer

Double Seat Faucet Washers FOR MUELLER STYLE FAUCETS



Use Prefix "S" for Soft and "H" for Hard

No.		1	Pa	ac	k	et	d	1	0	0	1	p	et	C	ì	ır	te	31	1			C)1	ul	si	de]	Diamete	er
90																													
91																													
92	 	٠	٠																,							3	12	in.	
93	 																									25	3	in.	

CRANE WASHERS



		Outside Diameter of Washer
204—Crane	No. 2	19/32 in
205—Crane	No. 4	21/32 in
		3/4 in
		7/8 in

BELL SUPPLY WASHERS



COTTON FIBER

42 RU	Thickness 1/4 in. BBER		Diam.
No. 44	Thickness 1/4 in.	9 in.	Diam. 1 to in. 1 to in.
46		9 in.	11/4 in.

BASHLIN COMPRESSION WASHERS



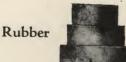
Our No.

130	3/8" Seat Rings; H-Measures 7/16"
131	½" Seat Rings; H-Measures½"
132	3/4" Seat Rings; H-Measures 9/16"



SPECIAL COMPRESSION WASHERS

Solid Faucet Discs



1/4" Thick

No.	39 / March 2003	Out. Dia. Size
201		. 3/4 in. 1/2 in.

Garden Valve Washers SAME AS OUR FAMOUS NEVER-DRIP WASHER

					ŀ	2	lC	:k	e	d		1	0	0	I)(21		C	a	r	to	10	1			
No.																										Size	
																										3/4 in.	
96	٠		٠		٠		٠	٠	٠	٠	٠	•	٠	*		٠		٠	٠		٠		.*			1 in.	

STANDARD COMPRESSION WASHER



Our No.	Outside Dia.	Inside Dia.	Thick						
29-S	1/2"	7/32"	3/16"						
29-H	$\dots \frac{1}{2}''$	7/32"	3/16"						
O-58	11/16"	3/16"	1/8"						
		3/16"							
		3/16"							
FOR STANDARD FAUCET									

CHICAGO FAUCET

Quaturn Repairs



No. 210 (Part 1-14) 1¹/₄" Hex. Cap Chrome



No. 210½ (Part 1-43) Cap Gasket



No. 211 (Part 1-99) Right Hand unit less Cap

No. 211½ (Part 1-100) Left Hand unit less Cap

NOTE

No. 212 (No. 377) Left Hand unit with long stem for lavatory fixtures with concealed caps.

No. 212½ (No. 274-3) Left Hand long type stem for lavatory fixtures.

No. 213 (No. 274-4) Rough Brass Cap for lavatory fixtures.

No. 213½ (No. 177-39) Long Handle Screw for China Handles No. 237.

No. 214 (No. 420-10) Handle Screw for No. 368 and No. 369 Lever Handles.

No. 214½ (Part 1-17) Handle Screw.

No. 215 (Part 1-19) Asbestos Packing Washer.

All Numbers Shown in Brackets (



No. 215½ (Part 1-20) Brass Flat Washer 13/16" Outside Diameter.

No. 216 (Part 1-15) Right Hand Stem.

No. $216\frac{1}{2}$ (Part 1-16) Left Hand Stem.

No. 217 (Part 1-28) Left Hand Sleeve.

No. 217½ (Part 1-29) Right Hand Sleeve.

9

No. 218 (Part 1-27) Monel Metal Seat 13/16" Outside Diameter.

0

No. 206-H (Part 1-21) Hard Seat Washer (Rhino Stock)

No. 206-S (Part 1-21) Soft Rubber Seat Washer.



No. 207 (Part 1-22) Brass Washer Retainer 5/8" Outside Diameter.



No. 219 (Part 1-31) Stem Nut Washer 7/16" Outside Diameter.



No. 219½ (Part 1-18) Stem Nut.

) are the Manufacturers own Catalog Numbers.





Trico Top Faucet Washers



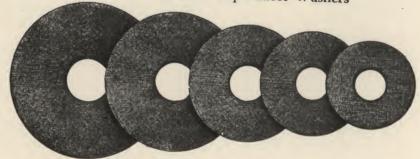
Seven layers of Stockinet with pure Para Rubber

The Trico is made from seven layers of this Stockinet, closely cemented together with Pure Para Rubber and the stock thus made is cured under heavy pressure. From this stock is cut the various sizes of the Trico Washers, extreme care being used at every step of the making to insure uniform thickness and accurate sizes.

Containing the best materials and made with the utmost care, the result is that the Trico has no superior as a Top Faucet Washer and can be depended upon to give perfect satisfaction.

No		Taraba outlinaction.	
No. 225	1/2 in	220	Size
227 O. D. 1 ¹ / ₄ "	5/8 in.	229 O. D. 11/2	

Cloth Inserted Top Faucet Washers



No.	Size	No.	
240 O. D. 15/16"	2/:	242 0. D. 1½"	Size
241 O.D. 13/16	3/8 in.	242 O, D, 1½"	5/ :
241 O. D. 1½″	1/2 in.	242 O. D. 1¼″ 243 O. D. 1¾″	% in.
		-12 U. D. 1/8"	3/4 in.

SPECIAL OR UNUSUAL WASHERS-MADE TO ORDER

FIBER An initial charge of \$3.00 is made for the die, plus the cost of the washers, determined by the size and the quantity wanted. The proper way is to submit a sample, telling us the quantity wanted, and we will submit quotation.

No RUBBER Quotations will be promptly given on special or unusual sizes if you submit us a sample and tell us the quantity wanted. If this is impossible—give accurate Inside and Outside Diameter and thickness.

No.

We can make up leather washers in special sizes and will quote prices if you will submit us a sample of the washer you wish duplicated. If this is impossible—give accurate Inside and Outside Diameter

No "Specially Made" Washers are returnable under any circumstances.





CUSHIONED MUSHROOM arabal





17





HEAVY DUTY STYLE BALL



SOLD BY MASTER PLUMBERS ONLY

Parabal Heavy Duty Parabal

This is the original Mushroom Parabal, now called the Heavy Duty Mushroom, and it is still the choice of many Plumbers who have sold it for years. It is a one piece pure rubber ball, reinforced at the seating point of the ball, where it contacts the flush valve. This ball will give satisfactory service over a long period of years.



Note the wide double flange spud. It cannot pull out. Note also the sturdy construction of the bulb itself and how the walls are reinforced where it contacts the seat of the valve.

SIZES

No.	314 2"	and 21/8"
No.	315small-medium	and 21/4"
No.	316medium	and 21/2"
No.	318large	4" and 3"

Heavy Duty Mushroom Parabals are attractively boxed





A TANK BALL WITH DISTINCT INDIVIDUALITY

ONE PIECE RUBBER



OUTSELLS ALL OTHERS

Parabal Cushioned Parabal

This ball was designed and built with the idea of making it the finest thing of its kind—a tank ball undeniably superior to all others. In this ball we have given the Master Plumber something to sell that is distinctive in shape—a ball that cannot be confused with any other.



- (1) A one-piece pure Rubber Ball
- (2) Nationally Advertised to the Consumer
- (3) Distinctive in Shape and patented
- (4) Longer bearing on the valve seat making a positive shut-off
- (5) A three year guarantee
- (6) Put up in an attractive display carton
- (7) Wide Flange on spud cannot pull out

SIZES

No.	282	2 2'	,
No.	284		/"
No.	285	2	3/0"
No.	286		13"
No.	287		/2"
No.	288		3/4"





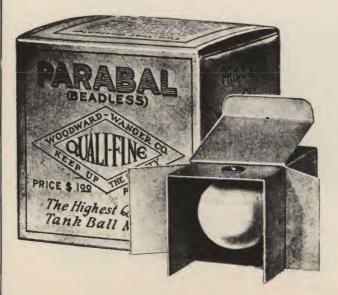
HIGHEST QUALITY WHITE TANK BALL

Seamless and Beadless

The Parabal



A seamless, beadless white Ball, strongly reinforced at the top to insure the ball holding its shape. The bottom is soft and pliable. The best tank Ball of this type on the market. The flanged spud cannot pull out.



MADE IN THESE SIZES

No. 300		2"
No. 302		21/4"
No. 304	• • • • • • • • • • • • • • • • • • • •	21/2"
No. 305	•••••	25/8"
No. 306		25/4"





THE BEST VALUE IN THE LOW PRICED FIELD



Shiny Black

KONE-BAL

We honestly believe that this modestly priced tank ball represents the most value ever offered within the same price range. It is made from a much better quality of rubber than most manufacturers deem necessary in a ball sold at this price.

The Kone shape is both popular and satisfactory. Each ball is separately boxed or, you can get them at a still lower price in bulk, packed in egg crate fashion.

SIZES

No.	294																		2"
No.	295																		21/2"
No.	296																		23/4"





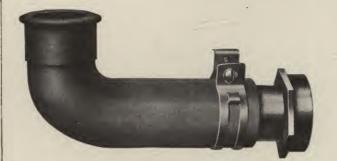
Rubber Elbows



Regular Pattern Rubber Elbows

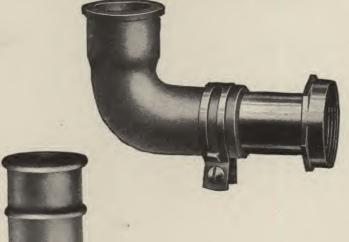
With Straight Brass Ferrule Packed 6 per Carton

	Size	Size for	Length	
No.	Outlet	Flush Pipe	Back to End	Height
320	11/4 in.	11/4 in.	51/2 in.	3 in.
321	$1\frac{1}{2}$ in.	11/4 in.	51/2 in.	3 in.
322	11/2 in.	11/2 in.	51/2 in.	3 in.
323	2 in.	2 in.	$5\frac{1}{2}$ in.	3 in.



Full Opening Extension Rubber Elbow Packed 6 per Carton

No.	Size Outlet	Size for Flush Pipe	Length Back to End	Height
327	11/4 in.	11/4 in.	7 in.	3 in.
328	$1\frac{1}{2}$ in.	11/4 in.	7 in.	3 in.
329	11/4 in.	11/2 in.	7 in.	3 in.
330	$1\frac{1}{2}$ in.	$1\frac{1}{2}$ in.	7 in.	3 in.

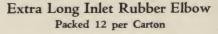


Climax Rubber Elbow

(Short Adjustable)

Packed 6 per Carton

	Size	Size for	Length	
No.	Outlet	Flush Pipe	Back to End	Height
325	11/4 in.	11/4 in.	5 in.	3 in.



Size	Size for	Length	
Outlet	Flush Pipe	Back to Spud End	Height
11/4 in.	11/4 in.	5 in.	43/4 in.

ELBOW RUBBERS ONLY

(Not Illustrated)

320-R 321-R	322-R 323-R	325-R 326-R		327- 328-		329-R 330-R
Same as	illustrated	above, only	-R	means	Rubber	Only,

326.....





Gaskets



Basin Gaskets

	Size	Size
No.	Inside Diameter	Outside Diameter
365	1½ in.	2 in.



Bath Gaskets

	Size	Size
No.	Inside Diameter	Outside Diameter
367	13/4 in.	2 16 in.



Sink Gaskets

No.	Inside Diameter	Outside Diameter
370	11/4 in.	21/2 in.



Sink Gaskets

	Size	Size
No.	Inside Diameter	Outside Diameter
369	1½ in.	25/8 in.



Beveled C. W. & O. Washer For Connected Waste and Overflow

No.	Size	Size	Least	Greatest
	Inside Diameter	Outside Diameter	Thickness	Thickness
520	17/8 in.	2 15 in.	1/8 in.	9 in.



Faucet Flange Gasket

	Pure White Rubber,	
No. 524	2 inch O. D. x 1 inch I. D. x 12 inch ti	hic



Flat Washer for Bath Waste

	Size Inside	Size Outside
No.	Diameter	Diameter
525	1 11 in	25/n in





Waste Washers

A waste washer of poor material or incorrectly molded is useless to a plumber. The two important things are a perfect fit and an extra fine quality of rubber. You can depend upon this line being just right.



No. 380



No. 381



No. 382

Ideal Waste Washers —Light

No.		
380	S	Size
381		in.
382		/4 in.
	11/	/2 in.



No. 385



No. 386



No. 387

Ideal Waste Washers-Heavy

No.	racked 12 per Carton	
		Size
386		in.



No. 390



No. 391



No. 392

Model Waste Washers

No.	
390	 Size
391	 1 in.
392	11/4 in.
	 11/2 in





Waste Washers



Waste Washers

Νσ.	S	170
395		in
396		in.
397		in.
398		in.



Wolff Waste Washers

No.																S	iiz	0	
413				٠.															



Waste Washers

No.																	Size
400					٠												Basin
401																	Bath



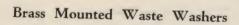
Wolff Waste Washers

No.		Size
414	····· B	



Waste Washers-Electric

																	_	_	_			_	-	_	_	-	^	-	
No.																													Size
410																													Basin
	٠	٠	•	•	۰	٠	•	4	٠	۰	٠	٠	٠	٠	۰	٠	٠	٠	٠	٠	٠	٠		٠	٠				Basin
411																													Rath



REGULAR STYLE

No.	Size	Tapped
420		
421	Bath	11/2 in. F.T.









Closet and Basin Connections



No. 430

Dandy Closet Connection Packed 12 per Carton

No. Size 43011/4 in



Nos. 443-444

Ohliger Basin Connection

No.						•	•	4	 		•	1	4	ł	D	EI		•	,d	r	ı	1				Si	ze	
443	٠				۰	٠																			11	4	in	١,
444	٠	٠	٠	•	•	٠		٠		٠	٠						٠					٠			11	2	in	ı.

Closet Spud Washers



Plain Cut

Packed 12 per Carton

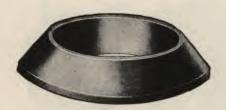
No. Size Inside Outside
Diameter Diameter Height
167 2 in. 2 in. 23/8 in. 3/4 in.



Closet Spud Washers-Flanged

Packed 12 per Carton

No.	Size	Inside Diameter at Top	Inside Diameter at Base	Outside Diameter of Flange
470		$1\frac{7}{8}$ in.	15/8 in.	21/2 in.
471		1 1 in.	$1\frac{7}{8}$ in.	23/4 in.
472		$2\frac{3}{8}$ in.	21/4 in.	31/4 in.
473	Special	2 rs in.	2 te in.	3 in



Closet Spud Washers-Beveled

Packed 12 per Carton

No.	Size	Inside Diameter	Outside Diameter	Height
478	11/4 in.	1 1g in.	23/8 in.	7 in.
479	2 in.	21/4 in.	31/8 in.	7 in:





Closet Floor Flange Gaskets





Rubber

	Size	Size
	Inside	Outside
No.	Diameter	Diameter
483	41/4 in	7 in

Asbestos

	Size	Size
	Inside	Outside
No.	Diameter	Diameter
486	 31/4 in.	41/2 in.
487	 4 in.	5 in.

Sponge Rubber Floor Gaskets



Made of High-Grade Sponge Rubber

Name and Address of the Control of t	O.D.	I.D.	THICK
No. 504	53/8"		9/16"
No. 505			
. 10. 505	178	31/2"	3/4"



Flush Valve Washer-Rubber







492

This washer, made from high quality rubber, is much superior to the ordinary flat washer for use in installing Flush Valves in Closet Tanks, especially in the case of Vitreous China Tanks, which frequently do not have an even surface to receive the Flush Valve.

By the use of this washer a tight joint can be made without loss of time. This style washer is regularly furnished with our Ball Flush Valves Nos. 3293 and 3295, for Low Tank.

No.	Size Inside Diameter	Size Outside Diameter	For use with Valve for
490 491	. 17/8 in.	25/8 in.	High Tank Low Tank
492	21/4 in.	3½ in.	Low Tank



WILL SEAT

PERFECTLY

No.

Woodward Wanger Co.



Testing Plug Rings

Testing Plug Rings

Made of a good grade of rubber, very resilient and guaranteed not to crack.

No.																															Si	ze
510		٠.																												2	i	n.
511		٠.		٠.																		 								3	i	n.
512		٠.	*	٠.		•								٠					٠											4	i	n.
513	• • •	٠.	•		٠	٠			٠	۰	•	•	•	٠			٠	•	٠	٠		 		•	٠			٠		5	i	n.
514		٠.	٠	٠.	٠	•	•	•	•	٠	•	٠	٠	P	•	 ٠	٠	٠	٠	٠		 	٠	٠	۰					6	i	n.



Nos. 510-514

CAREFULLY

PACKED

Syphon Valve Washers

(FEATHER EDGE STYLE)



Nos. 585-591 PACKED 12 PER CARTON

Size
 1/8 in.
 1/4 in.
 3/8 in.
 1/2 in.
 5/8 in.
 3/4 in.
 2 in.



 Diameter

 2
 in.

 2½ in.
 2½ in.



Gauge Glass Washers



Gauge Glass Washers—Square • LIGHT •

No.		Inside Diameter	Outside Diameter	Height
532 533		16 in.	3/4 in. 1 in.	1/4 in. 1/4 in.
	Gauge Glass Washers— • HEAVY •	Square		
No. 535 536 537	·····	. 18 in.	Outside Diameter 7/8 in. 7/8 in. 1.18 in.	Height 1/4 in. 1/4 in. 1/4 in. 1/4 in.







Gauge Glass Washers—Round Packed 100 Per Carton

No.	- HOLOG ADD A CL GULLOIL	Size
540 541		$\frac{1}{2}$ in.
542		3/4 in.



Royle Hose Connection Washers

Packed 12 Per Carton

No.	Size
552	For 1/2 in. Faucets
553	



Low Pressure Diaphragms

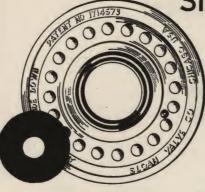
Made of a good grade of rubber

No.															Size
570															6 in.
															7 in.
572															8 in.
															9 in





Sloan Valve Repairs
FOR IMPROVED ROYAL



No. 565-S (As Illustrated)

A monel Metal by pass is built into each Segment Diaphragm, eliminating Dowel Pins and By-Pass tube, and making the replacement of the present diaphragm a single matter. No other feature of the valve is altered and the change is made quickly and inexpensively.

No. 565-S—Set of two pieces (as illustrated) consisting of one Segment Diaphragm, and one Relief Valve Seat.



REPAIR PARTS FOR FORMER ROYAL

(old style Diaphragm)

The demand mostly, is for a set of two pieces, the plain diaphragm (without dowels) and the Relief Valve Seat. The reason for this is because the other two parts can be in most cases used over again.

ORDER BY NUMBER

No. 565—Plain Diaphragm and Relief Valve Seat (no By-Pass tubes or dowels)

No. 567-By-Pass Tube

No. 568-Dowel

Improved ROYAL with Segment Diaphragm

	IMPROVED ROYAL VALVE		IMPROVED BOYAL HANDLE
A-4	Outside Cover	DIA	IMPROVED ROYAL HANDLE
A-11	Inside Cover		China Handle Assembled
A-13A	Oulde	B-2	China Grip
A-15A	DISC Complete	B-3A	Handle Shank
A-17	Kellel Valve Seat	B-5	Handle Bushing
A-19A	Kellel Valve	B-8A	Handle Plunger
A-56A	Segment Diaphragm	B-10	Handle Spring
	IMPROVED ROYAL OUTLET	B-11	Handle Packing
F-2A	11/2" Outlet Coupling Assem	B-13	Handle Packing Nut
F-2A	1/2 X1/4" Outlet Counling Accom	B-32A	Metal Handle Assembled
F-3	1/2 Friction Ring	B-32	Metal Handle and Shank
F-5	1/2 J. J. Kubber	A-6	Handle Count'
F-101	11/4" or 11/2" x51/2" Outlet	A-31	Handle Coupling
		M-31	Handle Gasket





Closet Tank Washers







C. & D. Tank Valve Washers

No.	Packed 12 Per Carton
700 701 702	Size 1 in 11/4 in. 11/2 in.





C. & D. Double-Seat Cushion Tank Washer

No.	Packed 12 Per Carton	
703 704		Size. 13/8 in. 15/8 in.

Half-Round Tank Washers For Budde and McShane Tanks, Etc.

No.	Packed 12 Per Carton	
	I	Size
613		in.
614		in.



Nos. 612-614

Plunger Rings-Soft Pure Gum



Packed 12 Per Carton		
	Size Inside Diameter	Size Outside Diameter
624	11/2 in	21/4 in. 21/4 in. 21/4 in.





Closet Tank Washers





Syphon Packers
FOR WOLFF TANKS, ETC.

No.	Size Inside Diameter	Size Outside Diameter
656	 11/4 in.	21/4 in.
657	 1/8 in. 216 in.	31/4 in. 3 % in.



No. 660

Tank Packings
Extra Quality Rubber
For Monarch and Gravity Tanks, etc.



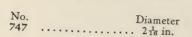
Flat Tank Washers
With Large Hole
For Enterprise, Hogan, Standard Valves, Etc.
Packed 12 Per Carton

No.		Inside Diameter	Outside Diameter	Thickness
667		11/8 in.	23/8 in.	1/e in
800		11/4 in.	13/4 in.	1/e in
009	********************************	11/4 in	2 10 in.	1/s in.
671		11/4 in.	21/2 in.	1/a in.
672		1 is in.	23/8 in.	1/8 in.
672		1 18 in.	23/4 in.	1/8 in.
674		11/2 in.	2 to in.	Va in.
0/4		1 18 in.	3 in.	1/8 in.

ORDER BY NUMBER



Tank Cup—Gold Medal Packed 12 Per Carton



Height 3/4 in.



Tank Cup—H. J. & C.
Packed 12 Per Carton

No. Diameter 748 2 ½ in.

Height 5/8 in.

Tank Ball FOR YOUNG FLUSH VALVE



No. 758

Perfectly Round Hollow Ball Packed 12 Per Carton

Made of a very high-grade rubber, with a heavy wall, assuring a perfect seat.

No.

Size
2½ in.

Tank Ball FOR COLUMBUS TANKS



No. 768

Packed 12 Per Carton

No.		Size
768	 	



Flat Plunger





Bumpers











Nos. 812-813

No. 814

No. 815

No. 816

No. 817

Plain Bumpers WITH RECESS FOR SCREW

No.	Size	No.	
812	1/2 in	915	Size
814	3/4 in.	816	l in.

Tack Bumpers—White Packed 100 per Carton













No. S	ize No.	G.
840	in. 843	51ze
842	in. 844	$\frac{1}{2}$ in.



No. 847

Closet Seat Bolt Bumpers

No.	Shape
847	 Half Round
848	 Fla



No. 848



Pipe Strap Bumpers

No. 845 . . $\frac{5}{8}$ in. Diam. x $\frac{1}{2}$ in. High

No. 845



Flat Top Round Seat Bumper

No. 825—White Round Bumper, 1" diameter, 11/2" high, 3/8" tack.

Nos. 825-826 No. 826—Same in Black.

Slotted Screw Bumpers



No.																								Si	ze
800	٠	٠	•	•		•	٠	•			۰	٠		•	٠		٠					٠		3/4	in.
801	•	۰	٠	٠	۰	٠	٠	۰	۰	•	٠	٠	۰		•	۰	٠	•	٠	٠	٠			7/8	in.
802		۰	٠	٠	۰	٠	٠			۰	٠	۰	۰	٠	•	٠	٠				٠	٠		1	in.





Bumpers



Nos. 850



Nos. -852



No. 854





No. 8541/2

No. 855

Oblong Seat Bumpers-Flat Top

COMPLETE WITH BRASS TACKS

No.	Color	Length	Height	Width
850	White	15/8 in.	3/8 in.	1/2 in.
852	White	21/8 in.	$\frac{3}{8}$ in.	1/2 in.

Oblong Seat Bumpers—Oval Top COMPLETE WITH BRASS SCREWS

Packed 50 per Carton

No.	Color	Length	Height	Width
854	White	21/2 in.	1/2 in.	1/2 in.

Oblong Tack Bumper—White Flat Top—Oval Sides and Rounded Ends

No. 854½	Color White	Length 21/2"	Height 7/16"	Width
854 3/4 -	-Same in	Black.		

Oblong Seat Bumpers—Oval Top WITH N. P. METAL HOLDERS Complete with N. P. Brass Tacks

Packed 50 per Carton
Color Length Height

No.	Color	Length	Height	Width
855	Gray	21/2 in.	11"	1/2 in.

SEAT BUMPER ASSORTMENTS

In Strong Protective Tin Cans

No. 797-12 of No. 8541/2 and 12 of No. 842



No. 798—122 Assorted Bumpers 24—No. 840 6—No. 847 25—No. 841 6—No. 850 25—No. 842 6—No. 8541/2 24—No. 843 6—No. 825



No. 798

No. 797





Solid Rubber Stoppers



HIGHEST QUALITY SOLID RUBBER







Each Stopper is packed in an individual box



WIDE ANCHOR ON RING POST



Packed 12 per Carton
ORDER BY NUMBER

No.		Size	No.	Size
		1 in.	861	. 11/2 in.
858		11/8 in.	862	. 15/e in.
859	***********	1½ in.	863	. 13/4 in.
860	* * * * * * * * * * * * * * * * * * * *	1 ³ / ₈ in.	864	. 2 in.
	86	5	17/e in	





CONCAVE RUBBER STOPPER

With Split Single Ring

ORDER BY NUMBER

No.	Size	No.	Size
857-C 858-C 859-C 860-C	1 1/8 in. 1 1/4 in.	861-C 862-C 863-C 864-C	1 % in. 1 % in.

"EXTRA HEAVY SOLID STYLE"



No. Size Di 875 1½" 876 2"	am. Bottom Diam. To 13/8" 15/8" 23/16"	
----------------------------------	----------------------------------------	--



	For	Diameter
889	Sink	5 in.





Rubber Sheet Packing

Our line of Rubber Sheet Packings has been carefully selected to meet the requirements of the plumbing and heating trade, and we offer only such grades as experience has shown to be best suited to the needs of the trade.



Nos. 900-902

Red Rubber Sheet Packing WIDTH—36 IN.

Guaranteed to give satisfaction for all purposes for which this style of packing is generally used. It possesses great heat resistance, and being made from a base of Pure Para Rubber will keep in good usable condition for an indefinite time.

Sold in any length desired, but cut to the full width of the sheet.

ORDER BY NUMBER

No.							Thickness	Sq. Yd.
900 901 902	W-W	Co.	Red	Rubber	Sheet	Packing Packing Packing	. 3 in.	6 lbs. 9 lbs. 12 lbs.



No. 905

Pure Gum Sheet Packing WIDTH—36 IN.

This is one of the best grades of pure rubber sheet; very useful for making certain special washers, which must be soft and flexible and give durable wear.

Sold in any length desired, but cut to the full width of the sheet.

ORDER BY NUMBER

No.						T		Weight per Sq. Yd.
905	W·W	Co.	Pure	Gum	Sheet	Packing	1/8 in.	10 lbs.

Cloth Inserted Sheet Packing



W-W Co. Cloth Inserted Sheet Packing is of the highest grade and guaranteed to give lasting satisfaction. Width, 36 in. Sold in any length desired, cut to the full width of the sheet.

ORDER BY NUMBER

No. Thickness Sq. Yd.

908 W.W Co. C. I. Sheet Packing 1/8 in. 12 lbs.







High and Low Pressure Steam Packing

Compressed Asbestos Sheet Packing

Made from Canadian Asbestos fibre, scientifically blended with super heat resisting compounds. It is bonded under tremendous pressure, resulting in a pliable sheet with high tensile strength. Recommended for use against superheated or saturated steam, air, gas, ammonia and most chemical solutions.

No. 1626	Thick 1/32"	Size 50"x50"	No. 1627	Thick ½16"	Size 50"x50"	No. 1628	Thick 1/8"	Size 50"x50"
-------------	-------------	-----------------	-------------	------------	-----------------	-----------------	------------	-----------------

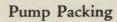
Braided or Twisted Packing

Self Lubricating—Made from long fibre asbestos yarn, thoroughly lubricated with a heat resisting compound and graphite. Furnished braided or twisted. Recommended for use on stems of globe and angle valves operating against high pressure steam.

Twisted

Besided

	I wisted			Draided	
1/2"	No. 1629	No. 1630 2 lb.	1/8"	No. 1635 No. 1636 . 1 lb. 2 lb.	3
1/4"	No. 1631	No. 1632 2 lb.	1/4"	No. 1637 No. 1638	}
3/8"	No. 1633	No. 1634 2 lb.		No. 1639 No. 1646 . 1 lb. 2 lb.)



Made from long fibre Asbestos, braided square by the same method used in producing flax packing. Given a lubrication and graphite treatment which is impregnated into each strand of material. A high grade Centrifugal

each strand of material. A high grade Centrifugal or Rotary Pump packing Good against hot or cold water, caustic solutions and weak acids.	1641	Size	Length 115 ft.
,	1642	3/8"	108 ft.
·	1643	1/2"	63 ft.
	1644	5/11	111/. f+

Low Pressure Packing

Constructed of plies of closely woven duck, frictioned with a high grade rubber compound, and finished with thick rubber covers. Lubricated and graphited. Recommended for hot or cold water service, for steam service on piston and valve rods of engines and for steam piston rods of pumps at pressure of 100 pounds per square inch. or less.

	No. 1645	1/4"	No. 1648	5/2"
All 121/2 ft. length	No. 1646	3/8"	No. 1649	3/1"
/2	No 1647	1/2"	No 1650	1"

"Z" Spiral Packing

Constructed of diagonal plies of closely woven duck, frictioned with a specially compounded rubber. Unusual expansive quality. Recommended for use against medium pressure steam, hot water and ammonia, particularly on rods or plungers

All 1216 ft length

ticularly on rods or plungers out of line or subject to a lateral motion.

	/2	re. length	
No. 1651	1/4"	No. 1654	5/8"
No. 1652	3/8"	No. 1655	5/8" 3/4"
No. 1653	1/2"	No. 1656	1"

Asbestos Wick Packing



1169	3/16"	68 ft.	1 lb.
1170	3/16"	17 ft.	1/4 16.
1171	1/8"	110 ft.	1 lb.
1172	1/0"	28 ft.	1/4 lb.

Candle Wicking



No.								Type
4720								
4/20.	۰	۰	۰	۰	٠	۰	۰	Coarse
4721.								Fine

Asbestos Wicking



No.					1	Weight
4724.		۰				1/4 lb.
4725.			٠		٠	1/2 lb.

Oak Tanned Leather

Fine Oak Tanned stock, especially selected for plumbers' use. In various sized pieces up to 12 x 20 ins.

910.....Oak Tanned

Oil Tanned Leather

Selected stock carefully tanned in oil. A fine article for making special washers.

911.....Oil Tanned



Nos. 910-911

Leather Discs OAK TANNED

Size Thickness 1/8 in.



No. 915

Valve Discs For Jenkins Valves



		KD-WITH	ROUND	HOLE	
No.	Size	O. D.	No.	Size	O. D.
925	1/4 in.	43/64 in.		1 in.	113/32 in.
926	3/8 in.	25/32 in.		11/4 in.	141/64 in.
927		13/16 in.		1½ in.	2 in.
928		13/32 in.		2 in.	23%4 in.

SOFT-WITH ROUND HOLE No. Size 937. 1 in. 938. 11/4 in. 939. 11/2 in. Size O.D. 933..... 1/4 in. 43/64 in. 25/32 in. 113/32 in. 14½ in. 2 in. 13/16 in. $1\frac{3}{32}$ in. 23%4 in.

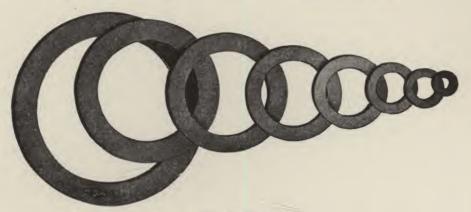


HARD—WITH OBLONG HOLE						
No. Size	O. D.	No. Size	O. D.			
944 3/4 in.	1 3/32 in.	9471½ in.	2 in.			
9451 in.	113%2 in.	9482 in.	2 ³⁹ / ₆₄ in.			
94611/4 in.	141/64 in.	, III.	2-764 111.			
No. Size 952 3/4 in.	O. D.	OBLONG HOLE No. Size 9551½ in. 9562 in.	O. D. 2 in. 2 ³ %4 in.			





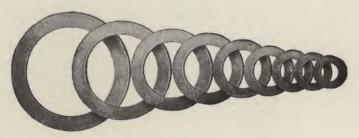
Flexo Union Washers



Nos. 992-999

No. Size Union	Inside Diameter	Outside Diameter
992		14/16 in.
993		
994		$1\frac{3}{16}$ in. $1\frac{7}{16}$ in.
996	1 16 in. 1 12 in.	
997	1 15 in.	
998	$1\frac{27}{32}$ in.	
999 2 in.	$2\frac{3}{8}$ in.	215 in.

Rubber Union Washers

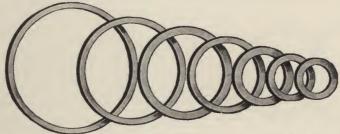


Nos. 1017-1024

No. Size Union	Inside Diameter	Outside Diamet er
1017	$\frac{17}{32}$ in.	7/8 in.
1018	11 in.	1 in.
1019 $\frac{1}{2}$ in.	13 in.	11/4 in.
1020 $\frac{3\sqrt{4}}{4}$ in.	₹ in.	$1\frac{1}{2}$ in.
1021 1 in.	$1\frac{3}{16}$ in.	13/4 in.
1022	1 16 in.	$2\frac{1}{8}$ in.
1023	$1\frac{27}{32}$ in.	$2\frac{1}{3}\frac{5}{2}$ in.
1024	23/g in.	215 in.



Rubber Slip-joint Washers



No.	To Slip Over	Size Enters Nut
1042		
1043	1/ : T. D	3/8 in. I. P.
1044	. 1/8 in. I. P.	1/2 in. I. P.
1044	. ¼ in. I. P.	1/2 in. I. P.
1045	. 3/8 in. I. P.	3/4 in. I. P.
1046	. 3/8 in. O. D. Tube	3/8 in. I. P.
1047	3/8 in. O. D. Tube	1/2 in. I. P.
1048	176 in. O. D. Tube	3/8 in. I. P.
1049	16 in. O. D. Tube	
1050		½ in. I. P.
1051		½ in. I. P.
1053	in. O. D. Tube	$\frac{1}{2}$ in. I. P.
1052	. 16 in. O. D. Tube	3/4 in. I. P.
1054	3/4 in. O. D. Tube	3/4 in. I. P.
1055	1 in. O. D. Tube	1 in I D
*1056	11/4 in O D Tube (Thin	San Mata
1057	11/4 in O. D. Tube (Part)	11/ :- I D
1058	11/2 in O. D. Tube (Reg.)	
1059	174 in. O. D. Tube	11/2 in. I. P.
1059	13/8 in. O. D. Tube	11/4 in. I. P.
1060	13/8 in. O. D. Tube	11/2 in. I. P.
*1061	11/2 in. O. D. Tube (Thin)	See Note.
1002	11/2 in () D Tube (Reg)	11/2 in. I. P.
1000	11/2 in () Tube	2 in. I. P.
1064	2 in O D Tube	
	- LL. U. L. LUDC	2 in. I. P.

^{*} Note.—Nos. 1056 and 1061 are used in making slip-joint connections at inlet of $1\frac{1}{4}$ and $1\frac{1}{2}$ in. Bent Tube Traps.

Beveled Slip-joint Washers



Nos. 1101-1108

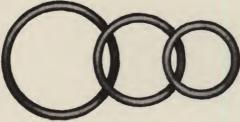
		O. D.		Enters Nut
No.	Hole	at Base	Height	Size
1101	3/8 in.	37/64 in.	11 in.	3/8 in. I. P.
1102		33 in.	1/4 in.	1/2 in. I. P.
1103	1/2 in.	33 in.	1/4 in.	1/2 in. I. P.
1103-S	5/8 in.	7/8 in.	1/4 in.	Used on W.W Compound Lever Ballcock
1104	16 in.	$\frac{7}{8}$ in.	3/8 in.	3/4 in. I. P. (See Note)
1105		7/8 in.	13 in.	3/4 in. I. P. (See Note)
1107	$\frac{3}{8}$ in.	5/8 in.	ie in.	Basin Faucet Coupling Nut and 178 in. Swedge Supplies
				and Handy Basin Supply
1108	16 in.	3/4 in.	16 in.	Ideal and Success Float Valve (Ball Cock) Coupling Nuts

Note.—Nos. 1104, 1105 and 1106 are also intended for use with Bath Faucet Couplings.





Round Slip-joint Washers Packed 50 per Carton



Nos. 1110-1114

To-Slip Over Enters Nut 3/8 or 1/2 in. I. P. or Tube 3/8 or 1/2 in. I. P. 1111 11/4 in. Tube (See Note) 11/4 in. I. P. 1112 13/8 in. Tube 11/2 in. I. P. 1113 11/2 in. Tube 11/2 in. I. P.

1114 2 in. Tube 2 · in. I. P. Note.—No. 1111 can be used for $1\frac{1}{4}$ in. or $1\frac{1}{2}$ in. Slip Nuts on Tubing Traps.

Tit Valves-Rubber



No.







No. Size

Vents-Rubber







1134



No.	Size	No.	Size
1132	1	1134	0.40
1133	2	1135	

Bung Rings-Rubber



No.	Size	No.	
1145		1148 4	
1145	2	1149 5	





Washers and Packing



No. 1158

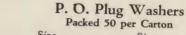
No. 1163.

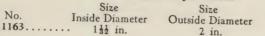
Basin Washers-Rubber Thickness 1/8 in.

11/4 in.

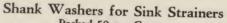
Size No. 1158.....

Size Inside Diameter Outside Diameter $2\frac{1}{16}$ in

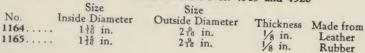




Thickness Made from is in. Rubber



Packed 50 per Carton
For use with "W-W" Sink Strainers Nos. 4319 and 4320



Coupling Washers for Sink Strainers

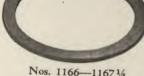
Packed 50 per Carton
For use with "W-W" Sink Strainers Nos. 4319 and 4320

			AND GIRE TIE	-U
N	Size	Size		
No. 1166	Inside Diameter		Thickness	Made from
1167	1 1 3 in.	135 in. 135 in.	32 in. 32 in.	Rubber Leather
1167 1/2	1 1 3 in.	135 in.	32 in.	Fiber

C. I. Stem Packing (Graphite and Asbestos) Split

		~	
No.	Outside Diameter	Hole	Height
1168-S			0
1168-M		3/8" 3/8"	9 " 32 "
	10	78	32"

Either of these packings will shape themselves to fit the cap in which they are placed.



Nos. 1164-1165

Nos. 1166-11671/2



1168-M

Stem Packing

Complete Sets



BASIN

No. 1180-S-Set of three O. D. 3/4" Stem Packing for W-W No. 6664, No. 6655, No. 6656.

No. 1181-S-Brass Washer Only No. 1182-S-Fiber Washer Only No. 1183-S-Graphite Packing Only

BATH

No. 1180-Set of three O. D. 15" Stem Packing Set consists of one each, Brass Washer, Fiber Washer, and Graphite Pack-

No. 1181-Brass Washer Only No. 1182-Fibre Washer Only No. 1183-Graphite Packing Only





Fuller Eccentric, Corporation Cock, Gas and Water Meter Washers





Nos. 1174-1175

No. 1176

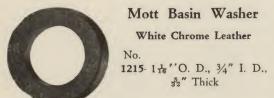
Fuller Eccentric Washers—Felt Packed 100 per Carton

No.	Outside Diameter	Height	Hole
1174	5/8 in.	3/8 in.	1/4 in.
1175	5/a in.	16 in.	3/8 in.

Fuller Eccentric Washers—Lead Packed 100 per Carton

	Outside		
No.	Diameter	Hole	Thickness
1176	5/8 in.	3/8 in.	3/64 in.





Water Meter Coupling Washer



Fiber

No. 1212 ½ 17/16" O. D., 11/16" I. D. Thickness 1/8 in.



Curtain Flush Valve Washer Leather

No. 1315—Diameter 23/8" with 3/8" hole, 3/32" thick

Complete Sets

1177Set of two	Lead	and	one	Felt	Washer
No. 1174					
1178Set of two	Lead	and	one	Felt	Wäsher
NI. 1175					

Corporation Cock Washers

| Leather | No. 1159 for ½" Cock | No. 1160 for ½" Cock | No. 1161 for ¾" Cock | No. 1161 for ¾" Cock

W-W Double Sink Faucet Coupling Washer

RED FIBER

No. 1211	18" I. D.	O. D.
	32" Thick	

Small Red Fiber Washers

For use in Waste Caps of Compression

Stops and Wastes

No.		-							Size	e	
1331.	 	٠	•	•	•	•		(O.	D.)	3/8	in.

Gas Heater Washers RED FIBER

1209—Humphrey Heater 1" O. D., 23/32" I. D. 1210—18" O. D., 32" I. D.,



242 Par Hantan Washan

1242—Rex Heater Washer 29/32" O. D., 11/16" I. D.





Union Washers



No. 1230

Flexo Boiler Union Washers

Made from Cotton Fiber

No.	O.D.	I.D.	Thick.
1230	 15/8"	11/8"	32"
1231	 1 3 "	7/8"	32"
1232	 11/4"	7/8"	32"

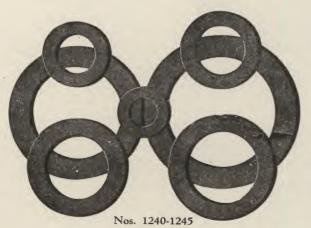
Fuller Faucet Union Washers— Red Fiber

Packed 100 per Carton

	Outside	Inside	-
No.	Diameter	Diameter	Thickness
1235	1½ in.	7/8 in.	16 in.
1236	$1\frac{3}{16}$ in.	7/8 in.	Te in.



Nos. 1235-1236



Soldering Union Washers— Red Fiber

Packed 100 per Carton

				Fits
No.		O.D.	I.D.	I. P. Nut
1240		37" 64	31"	3/8"
1241		23" 32"	7 " 16	1/2"
*1242		29" 32"	18"	3/4"
1243		1 16"	7/8"	1"
*Also us	sed as a Rex He	eater Wa	sher	

Fiber Trap Washers

For Use With Bent Tube Traps

7,4	No. 1246 1247		/ 1	Outside Diameter 1 ½ in. 1 3 in.	Inside Diameter 1 3 in. 1 3 in.	Thicknes
-----	---------------------	--	-----	-------------------------------------------	------------------------------------------	----------

Leather Trap Washers For Use With Bent Tube Traps

No.	Size of Trap	Outside Diameter	Inside Diameter	Thickness
	 11/4 in.	135 in. 133 in.	1 % in. 1 ½ in.	ie in.



Nos. 1246-1249



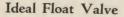




Float Valve (Ball Cock) Washers



Ideal Nos. 1268-1269



No.						Kind
1268.						Soft
						Hard



Success Nos. 1274-1275

Success Float Valve

No.							Kind
1274							Soft
1275							Hard



Detroit Nos. 1280-1281

Detroit Float Valve

No.							Kind
1280.			٠				
1281.					٠	i	Hard

W-W COMPOUND LEVER



No. 1289

Rubber

Diameter					5/8	in
Thickness	•	•		۰	1/8	ir

W-W BALLCOCKS

- Little SamsonKwyet
 - Beaver



No. 1291 Rubber

Diameter			.1/2	
Thickness	٠		.1/8	in

DALE



No. 1295 Rubber

Diameter			13	

McSHANE



No. 1290

Rubber

Diameter				116	in
. Thickness	٠			16	in

DOUGLAS



Nos. 1292—1292A

Rubber

No.	Dia.	Thickne
292	16"	1/8"
292-A	5/8"	64

DOUGLASS PEERLESS



No. 1292-L

Leather

Diameter					9	in
Thickness			÷		1/8	in

CURTAIN VALVE



No. 1314

L							
Diameter						5/8	in
Thickness	٠	۰	٠		٠	1/8	in

ROSS



No. 131

R	u	ıb	b	e	r				
Diameter		ě						32	ın,
Thickness		٠	۰		٠		۰	1/8	in.

SPECIAL



No. 1302

Rubber

Diameter				1/2 in.
Hole				1/o in
Thickness	٠	۰	٠	1/8 in.

SUCCESS WOLFF



No. 1294 Rubber

Diameter		۰		11	in.
Thickness			•	1/8	in.

WOLFF



No. 1307

		'e					
Diameter						13	in
Hole						16	in
Thickness						3/8	in

PITTSBURGH



No. 1301 Rubber

			~					
Diameter							16	in
Hole	٠				٠		$\frac{3}{16}$	in
Thickness			٠	۰			$\frac{5}{32}$	in

46





Float Valve (Ball Cock) Washers

STANDARD



Rubber

No. O. D. Hole Thick.

1308 \$\frac{21}{32}\cong \frac{1}{16}\cong \frac{1}{8}\cong \frac{1}

STANDARD, JR.



No. 1303

]	R	u	Ь	b	e	r				
Diameter											
Hole										1/8	in
Thickness										1/8	in

STANDARD



No. 1306 Rubber

Diameter Length .		m		3/8	in.
Length .				16	in.

STANDARD MOTT - MADDOCK



Rubber

No.	Dia.	Thick.
1293	5/8"	1/8"
12931/2	5/8" 5/8"	1/8" 352"

SPECIAL



No. 1304

	1	R	u	ь	Ь	e	r				
Diameter										5/8	in
Hole	٠		٠				٠			32	in
I DICKDESS										1/0	10

COLUMBUS



No. 1296

					ŀ											
Diameter										-			ø	1	1/4	in.
Thickness		٠	٠	•				٠			٠				1/8	in.

MOTT



No. 1298

Leather

Diameter			5/8 in	-
		٠	78 11	1.
Th:-1			17 .	
Thickness			1/8 in	n.

MANSFIELD SYLENTO



No. 1305

Rı	-1	1	

Kubber												
Diameter											5/8	in.
Hole											7.7	in.
Thickness									·		1/0	in.

MANSFIELD SYLENTO BEVELED



No. 1311 Rubber

BEVELED



No. 1312 Rubber

No.								D	iameter
1310.					•				%16 in.
									21/32 in.
1312.				٠.					$\frac{3}{4}$ in.

DOUGLASS B. B.



No. 1300

Leather

Diameter							5/8	in.
Hole	٠	٠					32	in.
Thickness							1/8	in.

PARAGON



No. 1299

Rubbe

		u	D	D	e	Г		
Diameter							. 19 x1/2 ir	
Thickness							1/2 11	

TRY-ME



No. 1299 1/2

Rubber

Top											
Botto	om	D	ian	ne	te	Г				5/8"	
Thic	kne	SS					 			1/2"	





Float Valve (Ball Cock) Seat Caps and Washers











Complete-Brass Seat Cap with Washer to Fit

	Outside	Diameter	
No.	of	Cap	Used With
3245		34 in.	Special
3246		a in.	WW. No. 3015-3047 and B. V. C.
3247		a in.	Rose, Old Style Douglas, etc.
3248		4 in.	Hamilton, Gem, Peerless, etc.
3249		34 in.	"Try Me" and M. V. B. and Paragon
3250		34 in.	Success—McShane
3251		34 in.	Success—McShane
3232		34 in.	Coyne & Delaney
			Hartford, Wolverine, Wolff & Success
3254		4 in	· f W.W.D
2995		4 in	for W.W Kwyet Valve



No. 3265

Seat Cap Assortment

No. 3265—100 Seat Caps (as selected) with Washers to fit.

No. 3266-100 Assorted Seat Caps only, as selected.



No. 1285

Ballcock Washer Assortment

No. 1285-10 each Ballcock Washers as follows:

No. 1290	No.	1294
No. 1291	No.	1295
No. 1292	No.	1292- I.
No. 1293		1298
No. 1293½	No.	1299



Balls and Cushions

FOR SELF-CLOSING WORK



Standard Ball



No. 1320 Standard Cushion



No. 1316 Pierce Ball



No. 1322 **Model Cushion**

No.	Name Outsid	le Diameter	Hole	Length
1316	Pierce Ball	₹ in.	$\frac{9}{32}$ in.	$\frac{27}{32}$ in.
1317	Standard Ball Prior Ball Model Ball	5% in.	3 in.	$\frac{13}{22}$ in.
1318	Prior Ball	5/2 in	3 in	$\frac{23}{32}$ in.
1319	Model Ball	78 111.	16 111.	32 111.
1320	Standard Cushion	3/4 in		

VOGEL CLOSET REPAIR SET



Set of four, one Hopper Valve Washer, one ½" Special Fuller Ball and two Fibre Washers.

VOGEL PACKING

No. 1318 Prior Ball



No. 1511-H
Vogel Hopper Valve Washer
O. D. 11/4", Hole 1/2"

Hopper Valve Washers

McCambridge and Furlow

AWWWW &

Nos. 1498-1501

No.		
1498	McCambridge	Complete Sets, including Springs
1499	McCambridge	Complete Sets, less Springs
TS-1499	McCambridge	Top Spring, only
BS-1499	McCambridge	Bottom 'Spring, only
1500		Complete Sets, including Springs
1501I	Furlow	Complete Sets, less Springs
TS-1501I	Furlow	Top Spring, only
BS-1501F	Furlow	Bottom Spring, only





Leather Float Valve (Ball Cock) Cups











Nos. 1343-1356

No.	Outside			
No.	Diameter	Hole	Height	Thick
1342	78"	1/4"	3."	16"
1343	78 in.	1/4 in.	re in.	3/64 in.
1344	75 in.	1/8 in.	1/8 in.	is in.
1345	1/2 in.	1/4 in.	3 in.	16 in.
1346	16 in.	1/4 in.	re in.	3/64 in.
1347	5/8 in.	1/4 in.	13 in.	3/64 in.
1349	$\frac{3}{4}$ in.	1/4 in.	1/4 in.	re in.
1351	$\frac{7}{8}$ in.	1/4 in.	1/4 in.	is in.
1353	1 in.	1/4 in.	is in.	re in.
1354	11/8 in.	1/4 in.	ie in.	ne in.
1356	11/4 in.	1/4 in.	in.	16 in.

(No. 1349 for Mott Self-Closing Work)

Note.—No. 1345 is for use with Sylento, Mansfield and Pittsburgh Float Valves (Ball Cocks).

(No. 1347 is also suitable for use in Torch and Furnace Pumps)

Assortment of Small Leather Cups

INCLUDES ALL IMPORTANT SIZES AND WILL TAKE CARE OF ALL ORDINARY REQUIREMENTS



No. 1357

THIS BOX CONTAINS 60 CUPS—FIVE DIFFERENT SIZES





Motor and Air Pump Cups









HIGH GRADE OILED LEATHER

No.	Dian	neter
1358	3/4	in.
1359	1	in.
1360	11/4	in.
1361	11/2	in.
1362	13/4	in.
1363	2	in.

Hose Washers

OVAL Rubber



No. 12201/2-1/2"

ROUND Rubber



No. 1220-1/2"

ROUND

Leather



No. 1225-1/2"



Nos. 1468-1472

Boat Pump Plungers LEATHER

Packed 12 per Carton

140.																	014	40
1468.																	2	in.
1469.	 													,		٠	21/2	in.
1470.	 																3	in.
1471.	 																31/2	in.
1472.	 		٠	۰						٠	٠					٠	4	in.





Pump Leathers



OAK TANNED

2½" for No. 1 Pump. 3" for No. 2 Pump. 3½" for No. 3 Pump.

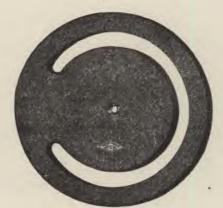


OPEN BOTTOM

Number	1372	1374	1376	1378	1379	1380	1382
Size	11/2"	13/4"	2"	21/2"	23/4"	3"	31/2"
Hole Size 3/8"	3/8"	11/8"	11/4"	15/8"	13/4"	2"	21/4"

CLOSED BOTTOM

Number	SH-1371	SH-1372	SH-1374	SH-1376	SH-1378	SH-1379	SH-1386	SH-1382
Size	13/8"	11/2"	13/4"	2"	21/2"	2.3/4"	3"	31/2"



Nos. 1403-1427 Pump Valve Leathers—Lower

Nos. 1437-1458
Pump Plunger Leathers—Upper

OIL TANNED

Outside

Diameter

Inside

Diameter

OIL TANNED For Outside Pump No. Diameter

No.										Pump No.	Diam	ete
1406.										1	3	in
1407.											31/4	
										2	31/2	
1409.											33/4	
1410.	٠		۰	٠	٠	٠	۰	۰	٠	3	4	in.

1437 1438 1439	1	2½ in. 2¾ in. 3 in. 3½ in.	1 in. 11/8 in. 11/2 in. 13/4 in.
	OAK '	TANNED	
	For	Outside	Inside
No.	Pump No.	Diameter	Diameter
1451		23/4 in.	11/8 in.
1452	1	3 in.	$1\frac{1}{2}$ in.
1454	2	31/2 in.	13/4 in.
1455		3½ in. 3¾ in.	21/4 in.

For

Pump No.

No.

OAK TANNED

No.	For Pump No.	
1421	. 1	3 in.
1422 1423		31/4 in.
1424	_	$\frac{31}{2}$ in. $\frac{33}{4}$ in.
1425	. 3	4 in.





Hydrant Washers

COMPLETE SETS

Murdock



Nos. 1519-1520

1519	$(\frac{3}{4} \text{ in.})$. Murdock
												. Murdock

Total Eclipse



Nos. 1533-1534

No.	
1533 (¾ in.)Total	Eclipse
1534 (1 in.)	

FOR FLOAT VALVE SHANKS







No. 1586



No. 1587

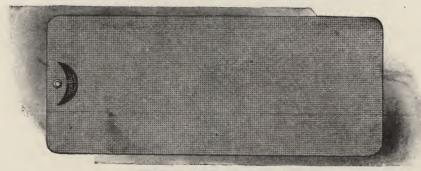
No.	Style	Size
1586 1587	With Lip	$\frac{7}{8}$ " x $\frac{15}{8}$ " x $\frac{15}{8}$ " x $\frac{15}{8}$ "
		111/0" - 15/-" - 3/

FOR FLOAT VALVE COUPLING NUT

Rubber



Rubber Mats



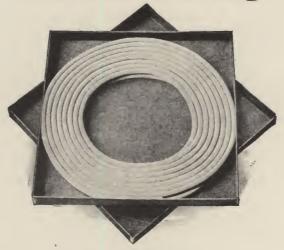
CORRUGATED WHITE RUBBER

TOTAL CONTRACTOR OF THE PROPERTY OF THE PROPER	
	Size
	0146
	- 20 '
	x 30 in.
	. 200
12	x 50 m.
15	- 20 in
	x JU III.
15	* 36 in
	A JU III.
	x 42 in





Rubber Tubing



White Rubber-

Packed in Boxes of 50 Feet Each

No.	Diameter	Wall	Weight	No.	Diameter	Wall	Weight
1547	$\frac{3}{8}$ in.	%4 in.	Medium	1553	3/8 in.	%4 in.	Heavy
1549	$1/_{2}$ in.	%4 in.	Medium	1555	1/2 in.	%4 in.	Heavy

Red Cloth Inserted Tubing - Beer and Air Hose



Nos. 1576-1579

White rubber inside, red rubber outside. No. 1576 No. 1578 No. 1578 No. 1579 No. 1579 No. 1579 No. 1579

NICKEL PLATED CLAMPS



FOR RUBBER TUBING

No.

1580Nickel-plated

Rubber Tubing PURE GUM TUBING

For Furnace Bulbs

This tubing is hand made of the finest rubber, very soft and pliable; is so constructed as to grip the connection at the furnace very firmly, thus preventing the annoyance of having the tube slip off the furnace while using the bulb.

This tubing is not corrugated.

1585.....Pure Gum Tubing







No. 1617-4" Cup, 41/2" high, Black Rubber,

No. 1618-Same with 24" Cemented handle.

Junior

Plumbers' Friends



with Clamp, no handle.

No. 1610—4" Diameter, 4" high, wide lip, Black Rubber with Clamp, no handle.

No. 1610

No. 1611 — Same with 24" Cemented handle.



No. 1617



Heavy 67 Cup, Extra Wide Lip

No. 1623—6" Heavy Duty Cup for Plumber's use. Black Rubber, Extra Wide Lip, with Clamp, no handle.

No. 1624—Same with 24" Cemented handle.



No. 1619

No. 1619—Neavy Model 4" Cup, 43/4" high, Gray Rubber, with Clamp, but no handle.

No. 1620-Same with 24" Cemented handle.

Hardwood Handles for Plumbers' Friends

WOODWARD-WANGER, PHILA.

SANDED AND VARNISHED





Master Carry-All Kits

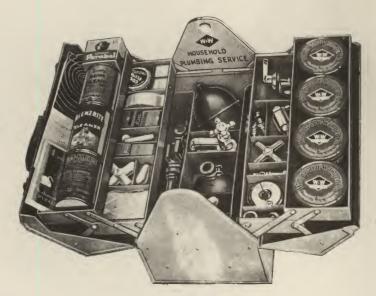
No. 1998-F

Plumber's Kit-Large Size

18" x 10" x 121/2"

Pine Cone Outside finish, Green Enamel Inside finish. Complete with material.

No. 1998-E Kit without material.

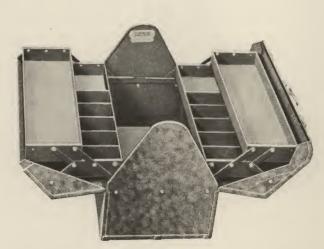


No. 1998-F

No. 1999-E

Plumber's Kit-Small Size

Empty—17" x 8" x 10". Pine Cone Outside finish. Green Enameled Inside finish.



No. 1999-E

Stoam Syspialties & Chemical Books Closet Tank Fittings Small Brass Specialties







LITTLE Samson BALL COCK



N this efficient, inexpensive ball cock, we offer the Master Plumber excellent value. Easy to rewasher, because it only has one lever pin, and and the refill tube is set on the opposite side, and is not in the way.

Has full Water Way and a smooth, raised seat, and is well made throughout and is accurately machined. Has large copper' hush tube, Shank is reamed to slip 3/8" supply, and it is equipped with coupling Nut, beveled slip joint washer and friction

Catalog Numbers and Description

Regular Shank 1¾" Reamed to slip ¾" Supply

Long Shank 23/4"
Reamed to Slip 3/8" Supply No. 2950 Little Samson Elevated Pattern Ball Cock with Refill Tube.

No. 2951 As above with Float Rod and Refill Tube.

No. 2952 As above with Float Rod, Refill Tube and 4 x 5 Copper Float

No. 2960 Elevated Pattern Ball Cock, with Refill Tube. No. 2961 As above with Float Rod and Refill

No. 2962 As above with Float Rod, Refill Tube and 4 x 5 Copper Float

Repair Parts for W-W "Little Samson Ball Cock"





















No. 3210 Refill Tube No. 3233 Coupling Nut

No. 4693 Friction Ring No. 3113S Beveled Shank Washer

No. 3093 Plunger No. 3094 Split Leather Washer No. 1291 Seat Cap Washer

No. 3254 Seat Cap

No. 3120 Cast Eye Thumb No. 1103S Beveled Slip Joint Washer No. 3095 Float Rod Lever.







Compound Lever

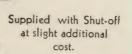
BALL COCK

Nos. 3037 to Nos. 3044

TO give satisfaction a Ball Cock must eliminate call-backs. It should be so constructed as to be usable in any Tank - high or low. It also should be adaptable to Tanks that have the hole close to the corner. This Valve is constructed with the Lever on one side to meet just such conditions.

The metal used in the casting of a Ball Cock is of great importance, High grade metal, such as we use, prevents the possibilities of sand holes, which also eliminates call-backs.

Read the 10 outstanding features found in this Ball Cock.



Catalog Numbers and Description

Regular Shank 1¾" Long Reamed to slip ¾" Supply.

No. 3037 Ball Cock with Refill Tube
No. 3038 Ball Cock, Refill Tube and Rod

No. 3039C Ball Cock Refill Tube, Rod and 4 x 5 Copper Float

No. 3039 Ball Cock, Refill Tube, Rod and 4 x 5 Hard Rubber Float

Long Shank 2¾" Long Reamed to slip ¾" Supply.

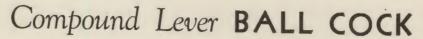
No. 3042 Ball Cock with Refill Tube
No. 3043 Ball Cock, Refill Tube and Rod

No. 3044C Ball Cock, Refill Tube and Rod, and 4 x 4 Copper Float

No. 3044 Ball Cock, Refill Tube and Rod and 4 x 5 Hard Rubber Float







Nos. 3037 — 3044

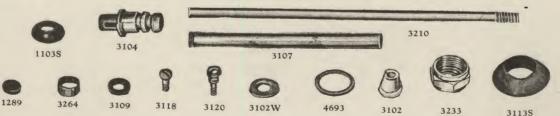
(See Opposite Page)

10

OUTSTANDING FEATURES

- 1. Has removable China Seat, very desirable for preventing the chemical reaction of certain waters. A China Seat is non-corrosive and cannot be scored.
- 2. Cross lever is made from cast brass to prevent wear and bending.
- 3. The removal of one Cast Brass Screw permits taking out Plunger or repairs.
- 4. Heavier Plunger with Wide Plunger Flange, preventing leaks through the top of the valve.
- 5. Chromium Plated Seat Cap with rounded edges to reduce any possibility of whistling.
- 6. Split Supply Tube with Hex Nut in the Middle. This permits lower half to be dispensed with, and upper section screwed right into the shank, and then, by cutting off the Hush Tube, ball cock can be used for High Tank Work.
- 7. Refill Tube tapping is placed in the rear of the body of the valve to prevent the possibility of breaking the refill when repairs are being made.
- 8. Seat Washer is soft, pliable, molded rubber washer. The Shank Washer is a heavy beveled washer The washer in the coupling nut is a soft rubber slip joint washer with a heavy brass friction ring.
- 9. The machine work in this ballcock is clean and accurate so that all parts are properly fitted and smooth easy operation is assured.
- 10. We can furnish on special order a wide flange $(2\frac{1}{2})''$, together with $2\frac{1}{2}$ ' rubber washer for use on special tank.

Parts for W-W Compound Lever Ball Cock



No. 3102 China Seat

No. 3104 Plunge

No. 3104 Flunger

No. 3118 Lever Set Screws No. 4693 Brass Friction Ring No. 11038 Beveled Slip Joint Washer

No. 1289 Scat Washer
No. 3102W Leather Washer
for under China Seat

No. 3107 Hush Tube No. 3109 Split Leather Washer

No. 3113S Beveled Shank Washer No. 3120 Cast Eye Thumb Screen

No. 3210 Refill Tube No. 3233 Coupling Nut No. 3264 Seat Cap





THE "Beaver" BALL COCK

No. 3065 to No. 3072

S reasonably quiet under any pressure, because you can reduce the volume of water by raising or lowering the volume regulator. This regulator is Hard Rubber, to prevent corrosion, or freezing in the body.

At high pressure it needs only standard 4×5 Float to function properly.

In principle, the valve is much like the Compound Lever. The lever is on one side and nothing projects beyond the verticle line of the ball cock. It can be used in a tank where the hole is close to the corner.

It requires only the removal of one screw to lift the Plunger out for repairs. Folcrum screw is Cast Bronze, a mark of quality.

Has removable China Seat, non-corrosive and cannot be scored. Not effected by the Chemical reaction of certain waters.

The entire valve, in cluding refill Tube, is Cadmium Plated to resist rust and corrosion.

Catalog Numbers and Description

Regular Shank 13/4" Reamed to slip 3/8" Supply

No. 3065 Beaver Ball Cock with Refill Tube. No. 3066 As above with Float Rod and Refill Tube

No. 3067 As above with Float Rod, Refill and 4 x 5 Hard Rubber Float

No. 3068 As above with Float Rod, Refill and 4 x 5 Copper Float.

4693

Long Shank 234" Reamed to Slip 3/8" Supply

No. 3069 Beaver Ball Cock, Long Shank with Refill Tube.

No. 3070 As above with Float Rod and Refill Tube.

No. 3071 As above with Float Rod, Refill and 4 x 5 Hard Rubber Float No. 3072 As above with Float Rod, Refill and 4 x 5 Copper Float.

1291

Parts for W-W "Beaver" Ball Cock



3102W

No. 3102W Leather Washer for China Seat

No. 3099 Split Leather Washer



3102

No. 3210 Refill Tube No. 3096 Plunger No. 3097 Hush Tube

11038

3100

No. 3098 Hard Rubber Vol-ume Regulator No. 3102 China Seat No. 3113S Beveled Shank Washer

No. 3254 Seat Cap No. 1291 Seat Cap Washer No. 3100 Cast Eye Thumb

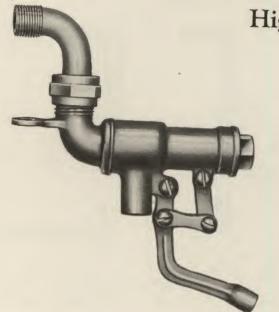
3101

No. 3101 Check Screw No. 4693 Friction Ring No. 1103S Slip Joint Washer

No. 3233 Coupling Nut







High Tank Top Supply Ball Cock

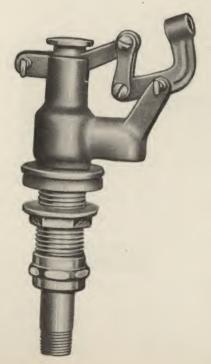
Catalog Number and Description

No. 3045. This Ball Cock is designed for use in a high tank, with top supply. By the use of the wing elbow, the ball cock is entirely in the tank. Plunger is fully encased in the body to prevent leakage. Tapped 1/4-20 for float rod. The wing elbow is threaded 1/2" I. P. S., and is swiveled in the coupling nut to the wing elbow. The tail piece is threaded 3/8" I. P. S.

High Tank Top Supply Ball Cock

(not illustrated)

No. 3045½ Same as above, but with a straight wing connection. This brings the tail elbow outside of the tank.



High Tank Bottom Supply Ball Cock

Catalog Number and Description

for use in a high tank having a bottom supply. A special composition seat washer is held in place by a cadmium plated retaining cap. A cast 3/8" I. P. S. tail piece is regularly furnished. Lock nut, coupling nut and tail piece are highly polished and nickel plated.





Ball Cock Parts



N. P. Couplings

No.	3225	 ½" l. P.
No.	3226	 Ideal
	3227	3/" I P



N. P. Couplings

No.	3221.	 ½" I. P.
No.	3222.	 Ideal
No.	3223.	 Success
No.	3224.	 3/4" I. P.



Bronze Head

No. 3189 .. 3/4" .. 10-24



Bronze Head

No. 3190	 3/4"	 10-24
No. 3191	3/11	11-74



Seat Caps
Sizes for all Ball Cocks
See Page 11



Ball Cock Washers

All makes and sizes See pages 46-47



Bronze Refill Plug

No.	3228					,	1/4"
No.	3229					5	/16"



No. 3192

Ajusting Screw
Bronze 1/8" 1/4-20
for Wolverine Ballcocks



No. 3120 Cast Eye Thumb Screw 11/8"—10-24



No. 3102 China Seat All Valves



No. 3114 Bronze Float Rod Lever



No. 3182 Brass Thumb Screw for McShane Ball Cock 10-24



Bronze Link Screw No. 3193 7/16" 10-24 No. 3194 ½" 10-24

5/8"

No. 3195



L-3759 Bronze Ball Cock Screw ½"—10-24



No. 3115 Bronze Plunger Lever



No. 3105-D

Shank for Douglass
Ball Cock
This can be furnished in place of any Shank

Float Rod Connections



10-24

No. 3204



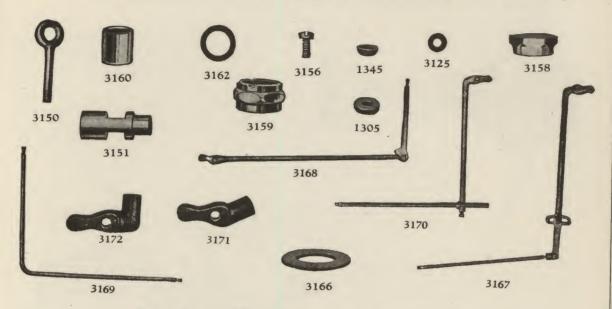
No. 3205



No. 3206

No.	1	Tapped Inside	Threaded Outsid
3204 3205 3206		13/32 in. 1/4 in. 1/4 in.	14 in. 13/32 in. Double Female

Parts For Mansfield Float Valve (Ball Cock)



Catalog Numbers and Description

3150 Lever Screw

3160 Gland

3162 Flat Leather Washer for Top Plunger Cap

3156 Drilled Screw for Use with either Cup or Seat Washer

1345 Leather Cup Washer

3171 High Tank Cast Lever Spud

3125 Brass Ring for Drilled Screw in Cup or Seat Washer

3158 Top Plunger Cap

3151 Plunger, Less Gland

3159 N. P. Coupling Nut Regular

1305 Flat Rubber Seat Washer

3169 Bent Rod Lever

3172 Low Tank Cast Lever Spud

3152 Plunger with gland (3151 and 3160)

3166 Flat Rubber Shank Washer

3167 Cast upright Lever complete

3168 Cast Horizontal Lever

complete

3170 Perpendicular Lever with Set Screw adjustment



Pipe Holders

Adjustable Flush Pipe Holder

With Rubber Bumper

CAST BRASS—NICKEL PLATED

																			To Slip
No.																		C). D. Tube
4547	 																		11/. in
4548						i	Ī			•	•	•	•	•	•	٠	٠	•	11/2 in

Adjustable Supply Pipe Holder CAST RINGS—NICKEL PLATED

4 in. Center to Back

	I	1	J	K	1		r		5	L	4	E	J	II.	U	Ŀ	5]	I	٧	C	ì			
No.																							Siz	ze
4542																							3/0	in
4542 4543	 ٠			٠																			1/2 1	in.







Flush Valve Guides

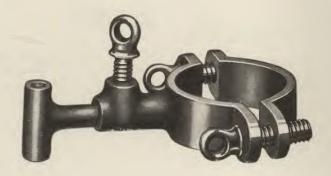


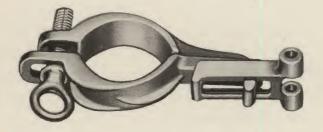
An adjustable guide, unfinished. Three sizes to fit different sized overflow tubes. Can be adjusted for length only.

No. 3333						 				٠			1"
No. 3334	٠.	 											11/2"
No. 3335	٠.											_	11/2"

Split sleeve adjustment permits fitting the guide to any of the three popular overflow tubes -1" $-1\frac{1}{8}$ ", or $1\frac{1}{4}$ ". It is also adjustable for length.

No. 3336 Chromium Plated





An all purpose Chromiun Plated guide that will readily fit either 1", 11%" or 11/4" tubes. Also adjustable for length and all adjustments are made tight with just one screw. Simple in construction, dependable in use.

No. 3337 Chromium Plated

Solid Type Guide

Made to fit one (1") inch Overflow Tube. Not adjustable for tube size or length.

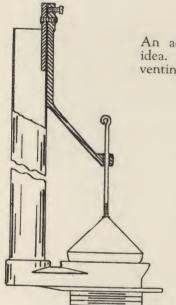
No. 3338 Brass





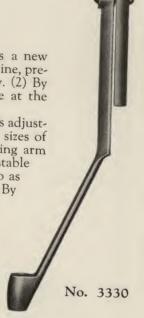


Flush Valve Guides



An adjustable Guide Arm that incorporates a new idea. (1) The set screw is above the water line, preventing rusting and wearing away of the screw. (2) By

sliding over the edge of the tube at the top, it will fit all sizes of tubes. (3) By being made extra long, it is adjustable up and down so as to fit all sizes of lift rods. (4) By making the sloping arm of pliable material it is adjustable horizontally by means of pliers so as to fit all sizes of flushes. (5) By having the sloping arm long, it imparts a certain amount of vibration to the rod, thereby eliminating any sticking of the lift rod in the guide hole (6) It saves time - is simple in construction and is inexpensive.



No. 3330 Guide Only. Fits any size Overflow tube. Adjustable by bending, which is easily done by hand or with pliers.

Hard Rubber Guide



No. 3340

This all-purpose guide can be quickly ad justed to fit either 1", 11/8", or 11/4" tube. It is also adjustable for length, and, being made of hard rubber, it is practically indestructible.

No. 3340 Hard Rubber



No. 3346

Closet Pulls

No. 3346 Oak with Rubber Bumper N. P. Trimmings



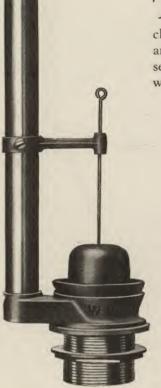


Flush Valves

THE Bodies of these valves are made from the very highest quality of metal, carefully machined and finished with deep, clean, accurate threads. The valve seats are beveled at the correct angle and smoothly finished. This assures perfect contact and easy seating for tank balls. The flush of all three valves is a full 2" which requires a $2\frac{1}{2}$ " tank ball, and Nos. 3293 and 3293-B are supplied this way.

nut with hexagon, and improved flange shank washer made of the best rubber. The overflow tube is made of 20 gauge tubing and extends to $11\frac{1}{2}$ " from the botton of tank to top of tube.

The Shank fittings consist of a substantial lock



No. 3293

NOTICE =

When purchasing No. 3293 you have the choice of either the Cushioned Mushroom Parabal, or the Heavy Duty Mushroom Parabal.

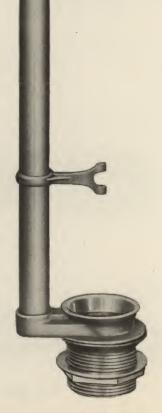


Catalog Number and Description

No. 3293 Flush Valve 2½" Complete with 2½" Mushroom Parabal, stem, lever wire and guide.

No. 3293B Flush Valve 2½" Complete with 2½" Kone Bal, stem, lever wire and guide.

No. 3294 Flush Valve 21/2" with guide. No stem, ball or wire.



No. 3294





High Tank Valves

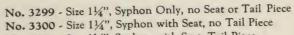


Catalog Number and Description

No. 3297. This Valve has 11/4" Flush, and requires a Flush Ball of 2" diameter. Comes fitted with 2" Mushroom Parabal, Coupling Nut, Stem and lever wires. No tail piece.

No. 3297-C. Complete as described above, but including a tail piece.

Cone Syphon Tank Valve - Brass Cone -



No. 3301 - Size 11/4", Syphon with Seat, Tail Piece Complete



No. 3299

Tail Pieces for Lead Pipe

No. 3310 Size 11/4" (for seats No. 3308 and 3309) No. 3311 Size 1½" (for seats No. 3308 and 3309)



Flush Valve Seat

No. 3308 Valve Seat, Complete Coupling Nuts 11/4" No. 3309 Valve Seat, Complete - Coupling Nuts 11/2"

Brass Seat Caps

Seat Caps with Washers, Page 48 - Seat Cap Assortments Page 48



No.	Outside Diameter	Tapped	Used With
2995	43/64 in.	.566-24	W-W Kwyet Ball Cock
3254	42/64 in.	.28	W-W Little Samson & Beaver Ball Coc
3255	39/64 in.	.566-24	Special
3256	43/64 in.	.622-24	W-W No. 3015 and B. V. C.
3257	43/64 in.	.622-27	Douglas — Small Wolff Ball Cock
3258	43/64 in.	.625-27	Hamilton, Gem, Peerless
3259	. 47/64 in.	.692-30	"Try Me" and M. V. B.
3260	51/64 in.	.756-27	Success and McShane
3261	51/64 in.	.745-27	Success and McShane
3262	48/64 in.	.692-20	Coyne & Delaney
3263	44/64 in.	.622-27	Hartford
3264	48/64 in.	.692.28	W-W Compound Lever Ball Cock





Overflow Tubes

FOR FLUSH VALVES

Threaded Both Ends



Will Fit Either 1" or 11/8" Tapping - 11" Long

No. 3316 P - 17 Gauge Seamless Brass Tubing

No. 3316 C - Same as above Chromium Plated

Threaded ONE End



	Brass			Chrome Plan	ted
No.	Gauge	Size	No.	Gauge	Size
3317 P	20	1" x 11"	3317 C	20	1" x 11"
3318 P	17	1" x 11"	3318 C	17	1" x 11"
3319 P	17	1½" x 11"	3319 C	17	1½" x 11"
3320 P	20	11/4" x 11"	3320 C	20	11/4" x 11"

Hard Rubber Overflow Tube



Threaded One End

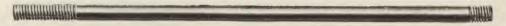
Hard Rubber Overflow Tubes are desirable in many localities where the Chemical content of the water is destructive to Brass.





Float Rods

ANNEALED CHROME PLATED



Refill Tubes

Copper Threaded One End

Threaded Both Ends



No. 3210-T 10" Long 14-40 and 14-32

No. 3211-T 12" Long 14-40 and 14-32

No. 3212-T 16" Long 14-40 and 14-32

LEVER WIRES

Brass, Chromium Plated

No. 3405 9" Long
No. 3406 12" Long

TANK BALL STEMS





Copper Float Balls

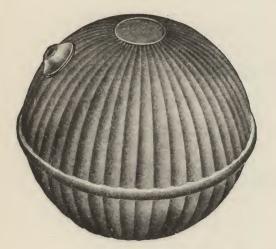
Smooth Copper Floats

Packed 12 to the carton

High quality Spun Brass, in two weights, 8 ounce and 12 ounce.

No. 3271	12 ounce	Size 4 x 5"
No. 3272	8 ounce	. Size 4 x 5"





Corrugated Copper Float

- Round Ball -

A strong, well made, 8 ounce brass float corrugated.

Hard Rubber Float

VULCANIZED into a single hollow shell, these hard rubber floats have no seams or joints, and there is no possible chance for water to penetrate into the interior and destroy its bouyancy.

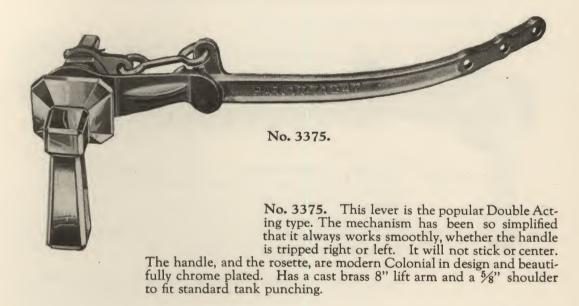
Water, no matter what the chemical content may be, has no effect, for there is nothing to rust or corrode.

This Hard Rubber Float is practically indestructible and will outlast a good many copper floats.

		Packed 12 to a carton	
No.	3280		Size 4 x 5"
No.	3285		Size 5 x 6"



Double Acting Tank Lever



Press or Single Acting Tank Lever

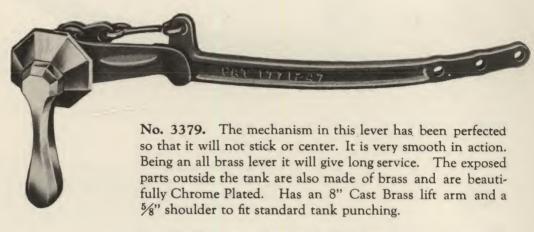


No. 3376. The single acting lever is very simple in construction and Combined with our Colonial designed handle and rosette, makes a very pleasing and satisfactory combination. The handle and rosette are Chromium Plated. The 8" lift arm is Cast Brass, and it has a \(^1/8\)" shoulder to fit standard tank punching.





All Brass Double Acting Tank Lever



No. 3379½. Same lever with 1½" longer wrought brass lift arm.

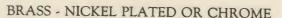
All Brass Press or Single Acting Tank Lever



No. 3380. The mechanism in this lever is very simple. The entire lever, including the handle, is made of brass, insuring long life and service. The exposed parts on the outside of the tank are also made of brass, beautifully designed and Chrome Plated, giving the lever a pleasing and attractive appearance. Has Cast Brass 8" lift arm and a 5%" shoulder to fit standard tank punching.

Closet Flush Elbows

Cast Hexagon Nuts, Brass Friction Rings and Rubber Washers





3536 3537 3538 3539 3540	1 1/4 ir 1 1/4 ir 1 1/2 ir 1 1/4 ir	pud For I n. 11/4 n. 13/8 n. 11/2 n. 11/2 n. 11/4	in. in. in. in.	Bend to 4 in. 4 in. 4 in. 4 in. 8 in.	Cente End
3541	11/4 ir	-/7	in.	8 in.	

DIPPED NICKEL

Nuts for	Slip Joint	Length from Center
No. Closet Spud	For Flush	of Bend to End
3542 11/4 in.	11/4 in.	6 in.

FOR CHROMIUM PLATE ADD "C" TO CATALOG NUMBER; FOR NICKEL PLATE ADD "N. P." TO CATALOG NUMBER.

Two Inch Flush Elbows

BRASS NICKEL PLATED OR CHROME

COMPLETE WITH NUTS
AND WASHERS

WITHOUT NUTS AND WASHERS

No. Length, Center to End	No. Length, Center to End
3519 4 x 6 in.	3523 4 x 6 in.
3520 5 x 7 in.	3524 5 x 7 in.
3521 6 x 8 in.	3525 6 x 8 in.
3522 7 x 9 in	3526 7 v 0 in



FOR CHROMIUM PLATE ADD "C" TO CATALOG NUMBER; FOR NICKEL PLATE ADD "N. P." TO CATALOG NUMBER.

Closet Offsets

Slip Joint All 6 in. Long



BRASS - NICKEL PLATED OR CHROME

COMPLETE WITH NUTS WITHOUT NUTS AND AND WASHERS WASHERS

No.	Offset, Center to Center	No.	Offset, Center to Center
3551	1 in.	3560	1 in.
3552	$\dots 1\frac{1}{2}$ in.		1½ in.
3553	2 in.		2 in.
3554	\dots $21/2$ in.		2½ in.
3555	3 in.	3564	3 in.

FOR CHROMIUM PLATE ADD "C" TO CATALOG NUMBER; FOR NICKEL PLATE ADD "N. P." TO CATALOG NUMBER.

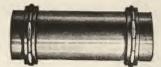




Two Inch Straight Connections

HEAVY BRASS, NICKEL PLATED

No.		Length
3567	WITH NUTS AND WASHERS	6 in.
3568	WITHOUT NUTS AND WASHERS	6 in.



No. 3567

Brass Slip Joint Nuts

With Brass Friction Rings and Rubber Slip Joint Washers

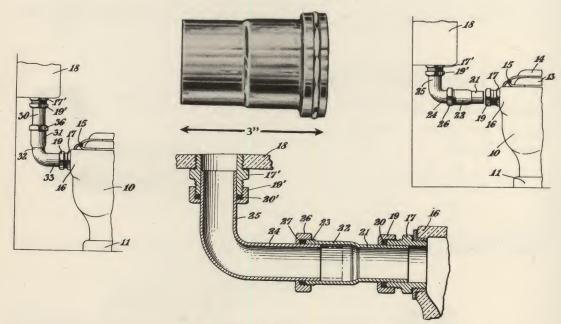
	I. P. Thread in Nut	
4059	2 in.	2 in. O. D.

If either of the above two items are wanted in Chrome, add "C" to Catalog Number.



Closet Elbow Slip Joint Connections

U. S. Patent No. 2021317



No. - 3570 Chrome Plated

Just flush the toilet tank and raise the float

This newly patented Slip Joint Connection saves the Plumber a lot of unnecessary work, and time when repairing old fixtures. This is especially true where care must be taken in the removal of old toilet tanks and bowls.

(I)

ball, and you are ready for work.

elbow to any size required.

Permits the plumber to remove and replace the closet bowl and elbow without shutting the water off, or removing the toilet tank.

Will increase the length of any regular closet

This new and recently patented Slip Joint Connection fills a long felt need, and will be enthusiastically welcomed by plumbers.



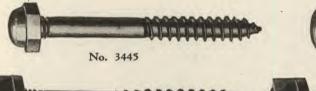


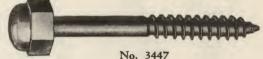


Closet Screws with Heads

Closet Screws

WITH REMOVABLE N. P. BRASS HEADS











No.

No.	Diameter	Length
3445 (Iron Brass Plated)	1/4 in.	23/e in.
3447 (Brass) (Large Head) 3448 (Brass) 3449 (Brass)	1/4 in.	23/8 in.
3448(Brass)	16 in.	$\frac{21}{2}$ in.
, , , , , , , , , , , , , , , , , , , ,	re in.	3½ in.

Closet Screw Combinations

No. 3452







100—No. 3447 Brass Closet Screws with Removable N. P. Brass Head No. 3461 100—No. 3487 N. P. Oval Shaped Brass Washer, Extra Heavy



No. 3461

Brass Heads—Nickel Plated CLOSED TOPS For Closet Screws, Urinal Bolts, &c.



No. 3462

No.	Tapped	Used on Closet Screws
3461	¼ in.	No. 3447

No.	Tapped	Used on Closet Screw
3462	5/16 in.	Nos. 3448 and 3449





Closet Bolts

With N. P. Open Brass Heads (Less Washers)



Brass Closet Bolts
With N. P. Open Brass Heads
(Less Washers)

No.	Lengt Unde Head	r	Thread
3427.	21/4	" 5/16	18
	21/2		20
	13/4		18
	13/4		20

Brass Closet Bolt Combination

No. 3433

Consists of our No. 3430 Brass Closet Bolt with N. P. Open Brass Head No. 3470 and our No. 3482 N. P. Oval Shaped Brass Washer





PACKED 100 EACH OF BOLT, HEAD AND WASHER



No. 3470



No. 3471

Brass Heads — Nickel Plated Open Tops For Closet Bolts, etc.

No.					Tapped
3470	 	 	 	•	1/4"
3471	 	 	 		5/16"





Brass Washers, N. P.



Brass Washers—Nickel Plated For Closet Bolts, Screws, &c.



 No.
 Length
 Width

 3482.
 1½ in.
 ¾ in.

 No.
 Size

 3483.
 ½ in.

No. 3482

Brass Washers—Extra Heavy—Nickel Plated For Closet Bolts, Screws, etc.

No.	Style	Size
3486	Round	7/8" O. D. 5/16" hole
3487	Oval 11/4" long	g, ³ / ₄ " wide, 5/16 hole





No. 3486

No. 3487

China Caps for Closet Screws and Bolts



No. 34	No. 3436	No. 3437
No.	Size	
3435.		
3436.		13/8" hole
3437.		

Threaded Brass Rod



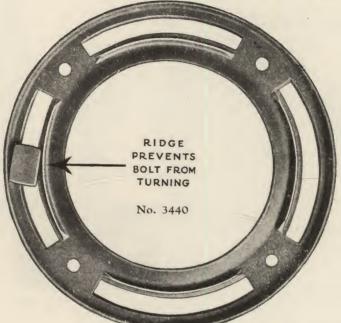
IN ONE FOOT LENGTHS

No.	Description
3410	.1/4 in. Diameter, No. 20 Thread





Closet Floor Flanges



Closet Floor Flanges CAST BRASS-LIGHT

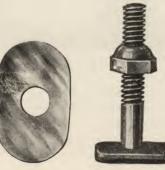
Outside Inside No. Diameter Diameter Weight 3440 · 67/8 in. 41/4 in. 9 oz.

Closet Floor Flanges CAST BRASS—HEAVY

Outside Inside No. Diameter Diameter Weight 3441 67/8 in. 43/8 in. 11 oz.

Closet Floor Flange Combination

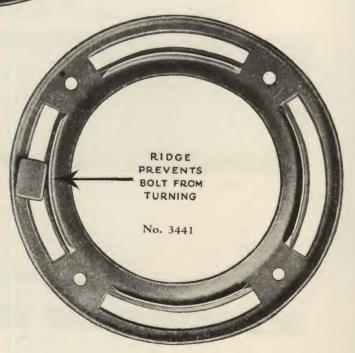
No. 3442



No. 3482



No. 3430



Consists of the following:

1-No. 3440 Brass Floor Flange

2-No. 3430 Brass Closet Bolts with N. P. Open Brass Head No. 3470

2-No. 3482 N. P. Brass Washers





Closet Spud Increaser - Reducer

Nickel Plated or Chrome



Closet Spud Increaser

No. 3350 Nickel Plated Brass No. 3351 Nickel Plated Brass

1½" x 2" 1½" x 2"



Closet Spud Reducer

No. 3355 Nickel Plated Brass No. 3356 Nickel Plated Brass

2" x 1½" 2" x 1½"

If either of the above two items are wanted in Chrome, add "C" to Catalog Number.

Closet Spud



No.	3371								11/4"
	3373								
	3377								2"

With Lock Nut, Flanged Spud Washer and Galvanized Friction Ring

Made of Cast Brass Metal. Clean Smooth casting without Sand Holes. Of a proper pitched flare and fits into the Closet Bowl without filing. Has a smooth clean water way. Equipped with lugs inside to hold them for tightening. Regularly furnished with flanged closet spud washer and galvanized friction ring.

Galvanized Friction Ring Only

No. 3371-R For Closet Spud No. 3371 No. 3372-R For Closet Spud No. 3372

No. 3373-R For Closet Spud No. 3373





No. 3425 Assortment

Cotter Pins

Lock Top Tin Box Assortment

No. 3425 - Consisting of 100 Cotter Pins 20 each of the following sizes.

½" x ¾" ½" x 1"

5/32" x 1"

3/16" x 1" 3/16" x 1¹/₄"

Cotter Pins

Made from Spring Brass



No. 3419—½" x ¾" No. 3420—½" x 1" No. 3421-A—5/32" x 1"

No. 3421-B-3/16" x 1" No. 3422-3/16" x 1¹/₄"





Closet Seat Hinges, and Parts

Check, Bar and Concealed Hinges, Washers, Wing Nuts and Posts.



Cast Brass Check Hinge

Adapted only for Seats without lid. Cast Brass, Chrome Plated. Built expressly to prevent seat from falling back. Complete with Screws, Nuts and Washers.

No. 3510 Chrome Plated



For Extended Back Seats

Heavy Cast Brass concealed hinge for extended back seats. Complete with Screws, Nuts and Washers.

No. 3513-W..... Finished in White No. 3513-C.... Finished in Chrome

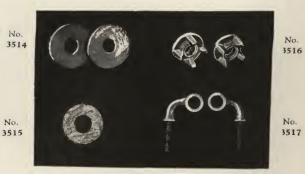


Cast Brass Seat Hinge

Has ½" bar and is adaptable for 1¼" seat. Square Back type. Complete with Screws, Nuts and Washers.

 No. 3511-C
 Chrome- Plated

 No. 3511-R
 Rolled Chrome



Parts for Closet Hinges

No. 3514 Rubber Washers 11/8" O. D., 1/8" thick, for Hinge Post

No. 3515 Steel Washer for Hinge Post No. 3516 Brass Wing Nut for Hinge Post

No. 3517 Individual Posts for Closet Seat Hinge

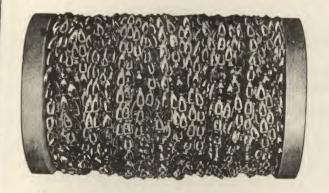
No. 3512 C Close Roughing-In Bar Hinge, will extend Seat 21/2" forward.

For Closet Seat Bumpers, See Page 34 and 35





Plumber's Chain



Nickel Plated Only

No.	No. Feet to Reel	
3579	250	00
3581	250	1

Plumber's Chain PACKED 50 FT. IN BOX

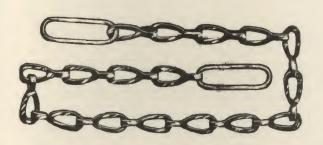
No.	No. Feet	t
	in Pkg.	Size
3588 3590	50	00
3590	50	1

Basin and Bath Chains—N. P. Brass PACKED ONE DOZEN IN BOX Each Chain Fitted with N. P. Snap Links

No. Size Length For Use 3591 ... 00 13 in. Basin Bath

Wash Tray Chains—Brass Fitted with Snap Links

NT.		
3593	5	Size
2293		0



Bead Chain — Chrome Only

Bead Pattern Chain in Continuous Length

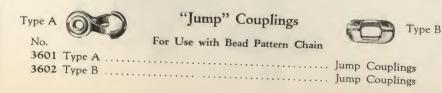
We will furnish this popular chain in continuous lengths of any number of feet which may be desired.

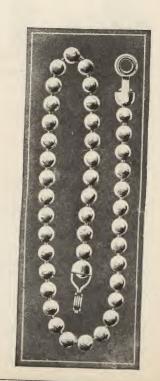
No. 3600 Order by the foot

Bead Pattern Bath and Basin Chains

"Jump" Couplings furnished with each of these chains, as shown,

No. 3598	 Length	For
3599	 11 in. 15 in.	Basin Bath







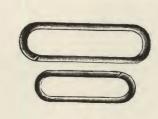


Hooks, Links, Rings, etc.

888



No.											Size
3609											Small
											Mediun
3611											Large



Split Links

	N. P. Brass
No.	Size
	Small
3617	Large

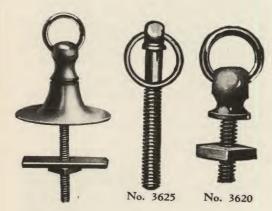






Chain Stay and Stopper Split Rings

No.		
3618 N. P	Nickel	Plated
3618-C		
3619-C	Chrome	Plated



Chain Stays

Brass - Nickel Plated and Chrome

No.	O. D. of Base	Length of Bolt Under Base	Thread	Nut
3620		$1\frac{5}{8}$ in.	10-24	Square
3622		2 in.	9-28	Square
3625	.5/16 in.	$1\frac{3}{8}$ in.	1/1-20	No Nut

N. P. designates Nickel Plate, "C" designates Chrome Plate.

No. 3622

Faucet Hole Covers

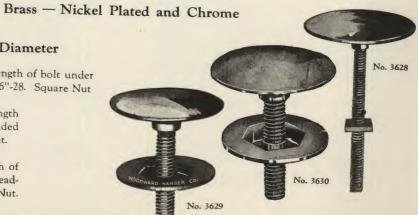
All Heads 134" Diameter

No. 3628 Wrought Brass. Length of bolt under head 2 - 11/16", threaded 3/16"-28. Square Nut

No. 3629 Wrought Brass. Length of bolt under head 13/4", threaded 5/16-18. Flanged Hexagon Nut.

No. 3630 Cast Brass. Length of bolt under head 1-11/16", threaded 5/16-18. Flanged Hexagon Nut.

If wanted in Chrome, add "C" to Catalog Number.







Cast Plug

P. O. Plugs with Tail Piece

Cast Plug



Nos. 3645-3647



No. 3655

CHROMIUM PLATED ONLY. 11/4" Cast Brass Plug 23/4" long.

Tail Piece made in two pieces, consisting of Cast hexagon flanged sleeve, and a 11/4" Tail Piece.

Tail Piece is 17 gauge, Chromium Plated. Furnished with Beaded Chain, Solid Rubber Stopper and Gasket.

No.			Description					
3645	-	17	Gauge,	6"	Tail	Piece.		
3646	-	17	Gauge,	8"	Tail	Piece.		
3647	-	17	Gauge,	12"	Tail	Piece.		

-Cast Brass Plug-

1¼" Cast Brass Plug 2¾" long, 1¼" - 20 Gauge Wrought Brass Tail Piece.

Furnished with Beaded Chain, Solid Rubber Stopper and Gasket.

No.	Description
3650 N. P	With 6" Tail Piece
3650 - C	With 6" Tail Piece
3653 N. P.	With 8" Tail Piece
3653 - C	With 8" Tail Piece
3654 N. P	With 12" Tail Piece
3654 - C V	Vith 12" Tail Piece



Nos. 3650-3654

-Wrought Brass Plug-

1¼" Wrought Brass Plug 2¾" long. 1¼" - 20 Gauge Wrought Brass Tail Piece. Furnished with Beaded Chain, Solid Rubber Stopper and Gasket.

No.	
	Description
3655 N. P	wish 622 1 TO 11 TO
3655-C	with 6" long Tail Piece

N. P. designates Nickel Plate, "C" designates Chrome Plate.





Lavatory Connections

Plug Tops

-Cast Brass-

PATENT OVERFLOW

COMMON OVERFLOW



Length . . . 23/4"

No. Finish 3635 N.P. Nickel Plated 3635 C . . . Chrome



Length . . . 23/4"

No. Finish 3636 N.P. Nickel Plated Tail Pieces for P. O. Plugs

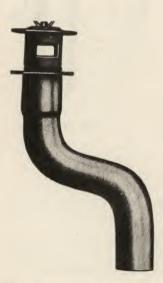


NICKEL PLATED OR CHROMIUM FINISH

No.	Finish	Gauge	Length
3637		17	6"
	Chrome	17	6"
3638	N. P.	17	8"
3638-C	Chrome	17	8"
3639		17	12"
3639-C	Chrome	17	12"
3640		20	6"
	Chrome	20	6"
3641		20	8"
3641-C	Chrome	20	8"
3642	N. P.	20	12"
3042-C	Chrome	20	12"

Offset P. O. Plug

WROUGHT BRASS - NICKEL PLATED



No. 3667 1¼", length of offset 6½ in. Offset center to center 3 in. Plug length 3 in. Fitted with rubber stopper.

No. 3667-C . . Same in Chrome

Lavatory Plugs for Lead Pipes.

CHROME PLATED TOP — CAST BRASS PARTS



No. 3657 Patent Overflow

Length of Body - 21/2"

PRINCIPLE OF THE PRINCI

No. 3659 Common Overflow

Length of Body - 13/4"

Both the above are supplied with Tail Piece for Lead Pipe, and Rubber Stopper. No chain.





Laundry Tray Plugs

For Soapstone, Slate and Earthenware Wash Trays.



Nos. 3722-3723

—Plug with Coupling— Top Polished Brass, with Finished Brass Stopper.

No.	Size	The 1	T-1	Length of
	Size	Thread	Flange	Thread
3722	11/4"	1¼" I.P.	3"	25/8"
3723	11/2"	1½" I.P.	3"	23/4"

-Plug without Coupling-

Top Polished Brass with Finished Brass Stopper, less tail piece and coupling nut.

				Length of
No.	Size	Thread	Flange	Thread
3725	11/2"	1½" I.P.	3"	23/4"



No. 3726

Wrought Brass Plug For Wooden Wash Trays, Top Polished Brass with Finished Brass Stopper.

No. 3726 2!

Bolts 21/4" long

Diameter of Flange





Nos. 3715-3716

Brass Plugs and Stoppers
For Laundry Trays and Bath Tubs, Top Polished
Brass with Finished Brass Stopper.

No. Size Diameter of Flange 3715 11/4" 17/8" 2"

Brass Stopper Only In Finished Brass for No. 3715 and No. 3716

No.				10.51	Size
3719	 	 	 	 	11/4"
3720	 • • • • •	 • • • •	 	 	11/2"





Sink and Urinal Connections



Sink Connection

WROUGHT BRASS—NICKEL PLATED

No. 3670	Size	Length under Shoulder
3671		6"

Urinal Connection

WROUGHT BRASS, NICKEL PLATED

No. Size and Description

3674 11/4 in. Length over all, 41/2 in. Length of Tube part, 3 in. Diameter at Top, 21/4 in.

3675 1½ in. Length over all, 4½ in. Length of Tube part, 3 in. Diameter at Top, 2½ in.



No. 367

Trap Covers



No. 3710

Brass Trap Cover
NICKEL PLATED
Heavy Brass, Highly Finished

No. 3710	Diameter6"	Height at Center
3711	6"	Flat Trap Cover





Faucet Repairs



Brass Faucet Repairs—Polished COMPLETE

No. For Faucets 3730. 1/2 in. 5/8 in.

Brass Faucet Repairs—Polished
LESS HANDLES
For

No. For Faucets 7732. 2 in. 5/8 in.

Brass Faucet Hose Ends
FOR SOLDERING ON SPOUT OF
PLAIN FAUCET



Nos. 3736-3737

"Fitz" Universal Bath Faucet Hose Connection FITS ANY BATH FAUCET THREAD

By merely pushing into place and screwing up the washer it is made tight, rigid and ready to use. The dogs engage the inner threads of the faucet and it may be detached by simply unscrewing.

No. Description
3738....."Fitz" Universal Bath Faucet Hose Connection



No. 3738



Royle Hose Connections

No. For Faucets 3742..... For Attaching Hose to Plain Faucet ½ in. 3743..... For Attaching Hose to Plain Faucet 5% in.

Rubber Washers for Royle Hose Connections

Anti-Splasher Water Filters



Anti-Splash, Nickel Plated. Fitted with Sanitary Screen and Rubber Washers.

No. 3744. . for ½" Faucets No. 3745. . for 5%" and 34" Faucets Spider-Web Type, Spring Brass. Slips inside the opening in nozzle and smooths out the flow of water.

No. 3746...fits ½" or 5/8" Faucets.



No. 37





Combination Basket Sink Strainer and Stopper

CHROMIUM PLATED

No. 4245



tail piece.

THE use of this Strainer permits the Sink to be filled with water and used for Washing Dishes or Cleaning Vegetables.

The Sink can be emptied without clogging the drain as the basket acts as a catch-all for Materials that would ordinarily stop up the trap or drain pipe.

No. 4245 For Sinks with 2" to 21/2" drillings. Flange 3" in diameter, Body 234" long. Extra long Basket 2½" deep.



The perforated basket is raised or lowered by simply flipping the little wire bail or handle from one side to the other. This is done with the tip of the finger. It works smoothly and easily.

When the basket is lowered a complete shut-off is obtained and the sink fills with water. When the basket is raised it makes a clear water-way for the water to drain off.

After draining the Sink, the Basket Strainer can be lifted out and emptied.

There is nothing complicated about it, and nothing to get out of order.

For Tail Piece see Page 16

- ◆ The above is without Tail Piece
- For Tail Pieces to fit, see Page 16





Combination Crumb Cup Sink Strainer and Stopper

· CHROMIUM PLATED ·

No. 4250



No. 4250

Made to fit sinks with 3½" outlet.

Strainer less Tail Piece, with Satin Chrome Coupling Nut.

Will fit 11/4" or 11/2" Tail Piece.

Diameter of flange 4½" made to fit sinks with hole 3½" diameter. Crumb Cup can be removed to be emptied.

Attached to the Crumb Cup is a metal Stopper which by turning retains water in the sink.

For Tail Pieces see Page 16

Sink Strainer

CHROMIUM PLATED

No. 4255



No. 4255

Strainer less Tail Piece with Satin Chrome Coupling Nut.

Will fit 11/4" or 11/2" Tail Piece.

Diameter of flange $4\frac{1}{2}$ " made to fit sinks with $3\frac{1}{2}$ " outlet.

23/4" removable strainer for quick-draining.

Furnished with Metal and Rubber Washers.

For Tail Pieces see Page 16





Sink Strainer

CHROME OR NICKEL PLATED TOP

No. 4265



No. 4265

Strainer less tail piece. Furnished with Satin Chrome Coupling Nut.

Will fit 11/4" and 11/2" Tail Piece.

Diameter of flange 3". Made to fit sinks with 2" to $2\frac{1}{2}$ " outlets.

Furnished with leather Washer and lock Nut.

 No. 4265 N. P.
 Nickel Plated

 No. 4265 C
 Chrome Plated

For Tail Piece see below.

Tail Pieces for All Sink Strainers and Tray Plugs

Satin Nickel, Polished Nickel and Chrome

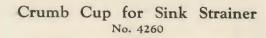
Size 11/4	"		CATAL	OG NUM ar	d FIN
Size	Length.	Gauge 22	Chrome Plated	Polished Nickel	Satin Nickel 4270
11/4	6"		4271C		
11/4	6"	17	4272C	4272 N.P.	
11/4	8"	17	4273C	4273 N.P.	
11/4	8"	22	4274C	4274 N.P.	
11/4	12"	22	4275C	4275 N.P.	
Size 1½	"			Polished Nickel	Satin Nicke
1 1/2	4"	22			4270
11/2	6"	22	4277C	4277 N.P.	
11/2	6"	17	4278C	4278 N.P.	
11/2	8"	17	4279C	4279 N.P.	
11/2	8"	22	4280C	4280 N.P.	
11/2	12"	22	4281C	4281 N.P.	





Sink Strainers



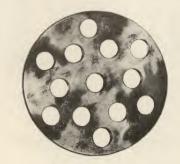


Polished Chrome. Can be substituted in place of Snap in Strainer. Will fic all standard makes of sink strainers.



Snap In Sink Strainer No. 4331

Polished Chrome. Will fit all standard makes of sink strainers. Diameter 17/8"



Nos. 4332-4335

Small Brass Strainer Brass or Chrome

No. 4332 Plain Brass 11/2" Diameter 1½" Diameter No. 4333 Chrome No. 4334 Plain Brass 2" Diameter No. 4335 Chrome 2" Diameter



Nos. 4303-4304

Brass Sink Strainer Chrome or Nickel Plate

		Cutside	Bolt Holes
No.	Finish	Diameter	Center to Center
4303 N.P	Nickel Plate	45/8"	37/8"
4303C	Chrome	45/8"	37/8"
4304 N.P	Nickel Plate	41/2"	35/8"
4304C	Chrome	$4\frac{1}{2}$ "	35/8"



Nos. 4309-4316

Iron Sink Strainers

Outside

Bolt Hotes

	Diameter	Center to Center
4309	41/2 in.	35/8 in.
4310		33/4 in.
4311	43/4 in.	33/4 in.
4312	5 in.	$3\frac{7}{8}$ in.
Galvanized Iron		
4313	$41/2$ in.	35/g in.
4314	45/8 in.	33/4 in.
4315	43/4 in.	33/4 in.
4316	5 in	37/e in





Size

11/4" x 6"

1½" x 6"

11/4" x 8"

1½" x 8"

Gauge

20

20

20

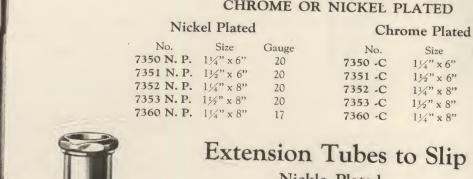
20

Extension Tubes and Pipe Covers



Extension Tubes to Solder

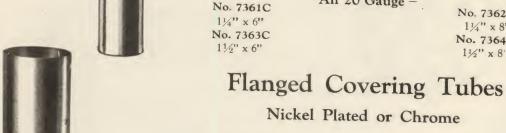
CHROME OR NICKEL PLATED



Nickle Plated

-All 20 Gauge-No. 7361 N. P. No. 7362 N. P. 11/4" x 6" 11/4" x 8" No. 7363 N. P. No. 7364 N. P. 1½" x 6" 1½" x 8"

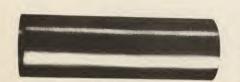
> Chrome Plated -All 20 Gauge -No. 7362C 11/4" x 8" No. 7364C



No. 7365 N. P. 7365 C 7366 N. P. 7366 C	O. D. 2" 2" 2½" 2½"	To Cover 1½" 1½" 2"	Length 6" 6"	Finish N.P. Chrome N.P.
7300 C	21/2"	2"	6"	Chrome

Straight Covering Tubes

Nickel Plated or Chrome



No. 7367 N. P. 7367 C 7368 N. P. 7368 C 7369 N. P. 7369 C	1 ³ / ₄ " 2" 2"	,	To Cover 11/4" I. P. 11/4" I. P. 11/2" I. P. 11/2" I. P. 11/2" I. P. 2" I. P. 2" I. P. 2" I. P.	Length 6" 6" 6" 6" 6" 6"	Finish N.P. Chrome N.P. Chrome N.P. Chrome
-----------------------------------------------------------------------------	---------------------------------------------	---	-------------------------------------------------------------------------------------------------	--------------------------	--------------------------------------------





Drains and Urinal Strainers



No. 4285

No. 3659

No. 4286

Overflow Drains

No. 4287 Combination

11/4" O. D. Standing Overflow Waste Tube with expanded top, 71/2" over all. Common Overflow, Wrought Drain Plug, with Tail Piece No. 3659 for lead pipe. Diameter of Flange 21/8", Shank 13/4".

No. 4288 Combination

11/4" O. D. Standing Overflow Waste Funnel, 8" over all. Common Overflow, Wrought Drain Plug, with Tail Piece No. 3659 for lead pipe. Diameter of Flange 21/8", Shank 13/4".

-Individual Pieces-

No. 4285 11/4" O. D. Standing Overflow Waste Tube with expanded Top - 71/2" over all.

No. 4286 11/4" O. D. Standing Overflow Waste Funnel 8" over all.

No. 3659 Common Overflow Wrought Drain Plug with Tail Piece for Lead Pipe. Diameter of Flange 21/8", Shank 13/4" (Illustrated and described on Page 10)



Nos. 4291-4292

Beehive Strainers for Urinals

For Urinal Troughs, in Finished Brass or Nickel Plated.

NT	Diameter of	Size of	
No.	Flange	Coupling	Finish
4291 B	2 3/4"	1½"	Finished Brass
4291 N. P.	23/4"	11/2"	Nickel Plated
4292 B	31/4"	2"	Finished Brass
4292 N. P.	31/4"	2"	Nickel Plated



No. 4293



Nos. 4294-4295

Urinal, Shower and Slop Sink Drains

No. 4293	Diamet Flan 4½	ge	Cou	e of pling	Finish Brass
Dia No. on 4294 4295	of Flange Strainer 4½" 4¾"	Dia. of Foor Floor 43/4143/41	Plate	Dia. of Body on Floor 3½" 3½"	Finish Brass Brass





Faucet Screws and Nuts

BRONZE 3/8" - SMALL HEAD

TTTTTT

3753 3754 3755 3756 3757 3758 3759



3762 3763 3764 3765 3766 3767 3768

ONE GROSS
ASSORTED SIZES
Bibb Screws and Nuts

The circular shaped box is so arranged that any size desired can be turned to the opening in the lid, and the screws and nuts easily removed. A very handy, convenient and orderly way to carry bibb nuts and screws.

ACCURATE SIZES
PERFECT THREADS

No. 3750

ONE GROSS ASSORTMENT Bronze Bibb Screws and Nuts No. 3750

Consists of 72 screws and 72 nuts. An equal quantity of each of the following sizes:

Screw Gauge No.	Threads to the in
6	32
8	32
9	32
9	24
10	32
10	28
10	0.4

ONE GROSS ASSORTMENT Bronze Bibb Screws Only

No. 3751

Consists of 144 screws ONLY - all 3/8" long. An equal quantity of each of the following sizes:

Screw Gauge No.	Threads to the inch
6	32
8	32
9	32
9	24
10	32
10	28
10	24

Note: Customer may, if desired, change either of these two Assortments to suit his own particular needs, at no additional cost.

SEE FOLLOWING PAGE FOR VARIOUS SIZES, LISTED SEPARATELY





Faucet Screw Assortments

T T T T T T T

No. 3753 No. 3754 No. 3755 No. 3756 No. 3757 No. 3758 No. 3759



ONE GROSS ASSORTMENT

Bronze Screws 3/8" and 1/2" Long

No. 3749

Quantity	Length	Screw Gauge	Thread To Inch	
6	3/8"	6	32	Chrome
12	3/8"	6	32	Bronze
4	1/2"	6	32	oronze "
12	3/8"	8	32	66
4	1/2"	8	32	44
6	3/8"	9	32	Chrome
12	3/8"	9	32	Bronze
4	1/2"	9	32	u u
12	3/8"	10	32	66
4	1/2"	10	32	44
18	3/8"	10	28	44
4	1/2"	10	28	44
6	3/8"	9	24	66
4	1/2"	9	24	66
6	3/8"	10	24	Chrome
24	3/8"	10	24	Bronze
6	1/2"	10	24	86

ONE GROSS ASSORTMENT MONEL METAL

Screws Only - 3/8" Long

No. 3751.M

Screw Gauge No	Threads to the inch
6	32
8	32
9	32
9	24
10	32
10	28
10	24

Monel Metal will not rust or corrode, so it is the ideal material from which to make faucet screws. They cost a little more and are well worth it, because they last almost indefinitely.

Note: Customer may, it desired, change either of these two Assortments to suit his own particular needs, at no additional cost.





Faucet Screws and Nuts

Bronze or Monel Metal Bibb Screws

Length-3/8 Inch

No.		Size
3753	 	6-32
3754	 	8-32
3755		
3756	 	10-32
3757	 	10-28
3759	 	10.24

* MONEL METAL — If any of the above screws are wanted in Monel Metal add "M" to Catalog Number.

Bronze Bibb Screws

Length-1/2 Inch

Faucet Screw Nuts



Bronze Faucet Nuts

ACCURATE SIZES—PERFECT THREADS

No.																																						S	hiz	ze	
3762.	 																																			 		6	- 3	3 2	2
3763.	 ٠.																	 																		 		8	13	33	2
3764. 3765.		•			٠	٠	٠			,	٠	٠		٠	•	•	٠.		•	۰	٠	٠				٠	٠	٠			۰	٠	۰			 ٠.		9	-3	3 :	2
3766.		•	•		•	•	•	•			•	•	•	٠	•	۰	•		•	٠	٠	۰	٠	•	•	*	•	٠		 ٠		٠	٠	•	٠	• •	. !	LU	- 5	2 5	2
3767.																										•			•		•	•	•	•			1	9	-7	2.4	4
3768.					Ĺ				ĺ	ĺ	ĺ																•	-	•	ľ	ľ	•	•	-			1	0	- 3	,	4





Plumbers Machine Screws

· BRASS · Accurate Sizes





· BRASS · Perfect Threads

Screw	Threads				LENGT	ГН			
Gauge Number	to the Inch	3/8"	1/2"	5/8"	3/4"	1"	134"	11/2"	2"
4	36	No. 3868	3871	3873	3874	3875	3876	3877	3878
6	32	*No. 3753	* L3753	3873A	3874A	3875A	3876A	3877A	3878A
8	32	*No. 3754	* L3754	3873B	3874B	3875B	3876B	3877B	3878B
9	24	*No. 3758	* L3758	3873C	3874C	3875C	3876C	3877C	3878C
9	32.	*No. 3755	* L3755	3873D	3874D	3875D	3876D	3877D	3878D
10	24	*No. 3759	* L3759	3873E	3874E	3875E	3876E	3877E	3878E
10	28	*No. 3757	× L3757	3873F	3874F	3875F	3876F	3877F	3878F
10	32	*No. 3756	* L3756	3873G	3874G	3875G	3876G	. 3877G	3878G
11	24	No. 3869	3872	3873H	3874H	3875H	3876H	3877H	3878H
12	24	No. 3870	3872A	3873J	3874J	3875J	3876J	3877J	3878J
14	20	No. 3870A	3872B	3873K	3874K	3875K	3876K	3877K	3878K

* Bronze instead of Brass -listed also under Faucet Screws

Brass and Iron Bolts





Iron Sink Bolts 1/ :--

74 In.	
No.	Length
3935	1 in.
3936	11/4 in.
3937	$1\frac{1}{2}$ in.
3938	21/4 in.
3939	$2\frac{1}{2}$ in.
3940	3 in.

Brass Sink Bolts 14:-

	74 III.	
No.		Length
3955.		1 in.
3956.		11/4 in.
3957.		$1\frac{1}{2}$ in.
3958.		21/4 in.
3959.		$2\frac{1}{2}$ in.
3960.		3 in.

With Nickel-Plated Heads

No.	Length
3945	1 in.
3946	11/4 in.
3947	11/2 in.
3948	21/4 in.
3949	21/2 in.
3950	3 in.

Iron Sink Bolts

Brass Sink Bolts With Nickel-Plated Heads

No.	Length
3965	 1 in.
3966	 11/4 in.
3967	 11/2 in.
3968	 21/4 in.
3969	 21/2 in.
3970	 3 in.

Sink bolts 11/4 in. and less are furnished with one square iron nut.

Sink bolts 11/2 in. and longer are furnished with two square iron nuts.





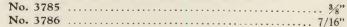
Boiler Repair Plugs

ACTUAL SIZE



Case Hardened tool steel, Nickel Plated. Has coarse thread which will follow the thickness of the metal in the boiler, and permit pulling the washer up tight, and making a permanent repair.

Furnished with Red Fibre Washer



ACTUAL SIZE



No. 3786

"Handy" Tap Repair Plugs



No. 3777



No. 3778



No. 3779

MADE FROM SPECIAL CARBON STEEL, TEMPERED

A quick and permanent repair for boilers, radiators, soil pipe, fittings, etc. Designed upon scien tific principles, with perfectly machined threads and sharp cutting edges.

SELF TAPPING—SELF THREADING

Packed in boxes of one dozen of a size.

Also in boxes containing three or six dozen assorted.

No.	Diameter Under Head	Length Under Head	Diameter of Hexagonal Head
3775		5/8 in.	1/2 in.
3776		$\frac{3}{4}$ in.	5/8 in.
3777		$\frac{7}{8}$ in.	3/4 in.
3778		1 in.	$\frac{7}{8}$ in.
3779,	1/2 in.	11/8 in.	1 in.

Handy Repair Plug Assortment

Nos. 3781-3782

For the convenience of our customers who desire to have a complete assortment of all sizes of the Handy Tap Repair Plugs available at all times, we pack two different assortments.

No.	Description
3781	Box containing 3 dozen, assorted sizes
3782	Box containing 6 dozen, assorted sizes





Boiler Repair Plugs

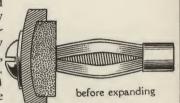
Special New Type Expansion Boiler Plug, installed without the use of any special tools. You merely enlarge the leak in the boiler to a 3/8" opening, in-

sert this boiler plug, and with screw driver draw up as tight as possible, and you have a permanent repair.

(See "fully expanded" illustration)
It makes a "5-point contact" on the inside of the Boiler reaching out over a corroded area of 1 1/8", therefore, it will not cut or

over a corroded area of $1\frac{1}{8}$ ", therefore, it will not cut or pull through the weakened walls. It is really a bolt and nut assembly, with an over-sized nut, or "5-pointed spider" to make a secure and permanent repair.

No. 3784 One Size Only for all Repairs





Boiler Repair

Extra Heavy

This repair is still a favorite with many plumbers, especially for use on jobs where the metal is rather thin at the point of leakage. This is the only type of Boiler Repair which will give satisfaction in such cases.

Well and strongly made. Fitted with extra durable rubber washer.

No. 3830 Boiler Rep

Wash Tray Bolts

No.	BRASS	Length
3971		11/2 in.

Iron Stove Bolts



Packed 100 Per Carton

ROUND HEAD ¼ IN.

No.	Length	No.	Length
3818	. ½ in.	3822	1 in.
3819		3823	11/4 in.
3820	. 3/4 in.	3824	$1\frac{1}{2}$ in.
3821	. 7/8 in.	3825	2 in.





Brass Wood Screws Nickel Plated or Chrome

"N. P." designates Nickel Plate, "C" designates Chrome	**************************************
31/2-14	38365½ in.
38663½ in.	3837 3/4 in.
3-14 3-65	3838 ³ / ₄ in.
3-10	3839
3864	3840
38632½ in.	3841
38622½ in.	3842 1 in.
386121/2 in.	3843
38602 in.	1-12
2-12 3859	3845
3858 2 in.	3847
3857	3848
3856	3849
1 ³ / ₄ -10 3855	3850
1½-14 3854	3851
1½-1 3853	3852





Flat Head Bright Steel Screws

ILLUSTRATIONS ACTUAL SIZE

ILLUSTRATIONS ACTUAL	SIZE
21/2-16	3903 ³ / ₄ in. 6
393421/2 in. 16	3/4-8
21/2-14	3904 3/4 in. 8
	FEFTOR 19 34-9
39332½ in. 14	3905 3/4 in. 9
21/2-12	3/4-10
3932	3906
21/2-10	78-9
3931	3907
3931	
2-14	7/8-10
3930 2 in. 14	3908
A 12 19999999999999	7/8-12
2-12	3909
3929 2 in. 12	1-6
2-10	3910 1 in. 6
3928 2 in. 10	1-8
134-14	3911 1 in. 8
3927	1.9
	3912 1 in. 9
13/4-12	1-10
3926	3913 1 in. 10
13/4-10	1-12
3925	39141 in. 12
11/2-14	
	1-14 1-14
39241½ in. 14	3915 1 in. 14
11/2-12	- 11/4-8
$39231\frac{1}{2}$ in. 12	3916 1½ in. 8
11/2-10	11/4-10
39221½ in. 10	39171½ in. 10
11/2-8	^
3921 8 3901 ½ in. 6	The state of the s
	39181½ in. 12
3/8-7	11/4-14
3920	3919
	33.2





Fuller Repairs



Nos. 3990-3991

Fuller Eccentrics

CAST BRASS, NICKEL PLATED

No.	Size	Requires Hole in Stem
3990	. 3/8 in.	1/4 in.
3991		n in.



Fuller Eccentrics
(EXTRA WIDE FLANGE)
CAST BRASS, NICKEL PLATED

No.	Size	Requires Hole in Stem
3993	3/8 in.	1/4 in.
3995	5/8 in.	ī in.

Adjustable Fuller Stems

Accurately Machined

These stems can be adjusted to fit any Fuller Faucet. All stems are fitted with Genuine Enduro Fuller Balls and solid brass Fuller Stem Caps.

No.]	Size of Fuller Ball	Hole in Ster
4003																				3/8 in.	9 in.
4004																				$\frac{3}{8}$ in.	1/4 in.
4006.																				1/2 in.	32 in.
4007.		٠	٠	٠	٠		•	٠	٠	٠	•			٠	٠		٠	٠	٠	1/2 in.	1/4 in.
4010	•	•	٠	٠	٠	٠	٠	٠	•	۰	•	•	•	٠	٠	٠	٠	٠	٠	5/8 in. 5/8 in.	9/32 in. 1∕4 in.
4012.						•			•	•	•	•	•	•	•	•	•	•	•	3/4 in.	% in.
4013.																				3/4 in.	1/4 in.





Nos. 4003-4013

Copper Fuller Caps













Nos. 4014- 4019.





Threaded Collars and Trap Bushings

Brass Trap Collars

I. P. Thread Outside, Reamed to Solder

Brass Trap Collars

I. P. Thread Outside, Fine Thread Inside



No.	Threaded	Reamed for Tube
4035	1¼"	1¼" O. D.
4037	1 ½"	1¼" O. D.
4038	1½"	1%" O. D.
4039		1½" O. D.



No.	Threaded	Tapped
4040	1¼" I. P.	1¼" F. T.
4042		1¼" F. T.
4044	1½" I. P	1½" F. T.

Trap Bushings

For Connecting Brass Tubing to Iron Pipe

To Solder Tube, Male

I. P. Thread Outside, Fine Thread Inside



]	[.				Inside R		
No.									U	utside	for	Tub	e
4100										11/4"	11/4"	0.	D.
4102								,		11/2"	11/4"	0.	D.
4103										11/2"	1%"	0.	D.
4104										1 1/2"	1 1/2"	0.	D.



	I. P. Thread		
No.	Outside	Tar	ped
4109			F. T.
4113		1 1/2	F. T.

TO SOLDER TUBE, FEMALE



	I. P. Thread	Inside Reamed
No.	Inside	for Tube
4117		1¼" O. D.
4119		1¼" O. D.
4120	1½"	1%" O. D.
4121		1½" O. D.

Lead Pipe to Iron Pipe, Male Bell Mouth Pattern



No.	I. P. Thread I Outside	nside Reamed for Lead Pipe
4114		11/4"
	1½"	11/2"
4116A	2"	2"





Slip Joint Nuts

Supplied with Brass Friction Rings and Rubber Slip Joint Washers
—CAST BRASS—







Nos. 4054-4059

Catalog Numbers and Finish

Sizes Tapped				
for I. P. Thread	Reamed for	Rough Brass	Nickel Plated	Chrome
1¼"1¼	" O. D. Tube	No. 4054-R	No. 4054 N. P.	No. 4054-C
1¼"1%				
$1\frac{1}{2}$ "				
$1\frac{1}{2}$ "	" O. D. Tube	No. 4057-R	No. 4057 N. P.	No. 4057-C
$1\frac{1}{2}$ "				
2"2"	O. D. Tube	No. 4059-R	No. 4059 N. P.	No. 4059-C

Slip Joint Nuts

For Supply Pipes. Furnished with Brass Friction Rings, and Rubber Slip Joint Washers



Nos. 4065 to 4071

TRAP NUTS CAST BRASS



See Numbers 4054, 4056 and 4058

CAST BRASS

Tapped for I. P. Thread Reamed for	Nickel Plated	Chrome
¾" ⅓" I. P. Size	No. 4065 N. P.	No. 4065-C
½"¼" I. P. Size	No. 4066 N. P.	No. 4066-C
¾" ¾" I. P. Size	No. 4067 N. P.	No. 4067-C
$\frac{3}{8}$ " $\frac{7}{16}$ " O. D. Tubing	No. 4068 N. P.	No. 4068-C
$\frac{1}{2}$ " $\frac{7}{16}$ " O. D. Tubing	No. 4069 N. P.	No. 4069-C
½"½" O. D. Tubing	No. 4070 N. P.	No. 4070-C
$\frac{1}{2}$ " $\frac{9}{16}$ " O. D. Tubing	No. 4071 N. P.	No. 4071-C





Ground Joint Connections

For Connecting Waste and Vent Tubes to Iron Pipe.

A Brass Ground Joint — No Packing — Adjustable but not a Slip Joint.



Female-Plain Brass

	Body	Slip Joint
No.	Tapped	for
4081	1¼" I. P.	1 14" O. D. Tube
4082	1½" I. P.	1 1/4 " O. D. Tube
4083	1½" I. P.	1%" O. D. Tube
4094	1 1/4 T P	114" O D Tuho



Female—With N. P. or Chrome Nut and Plain Brass Body

		~~,
	Body	Slip Joint
No.	Tapped	for
4073	1¼" I. P.	1 1/4 " O. D. Tube
4074	1½" I. P.	1 1/4 " O. D. Tube
4075	1½" I. P.	1%" O. D. Tube
4076	1½" I. P.	1½" O. D. Tube
If w	anted in Chr	ome, add "C" to
Cata	log Number.	



Female—With N. P. or Chrome Nut and Body

	Body	Slip Joint
No.	Tapped	for
4090	1¼" I. P.	1 1/4" O. D. Tube
4091	1½" I. P.	11/4" O. D. Tube
4092	1½" I. P.	1 % " O. D. Tube
4093	1½" I. P.	1 1/2" O. D. Tube
If wa	anted in Chro	ome, add "C" to
Cata!	log Number.	



Male—With N. P. or Chrome Nut and Plain Brass Body

No.		Body Th	readed	Slip Jo	int for
4077		11/4"	I. P.	11/4" 0.	D. Tube
4078		11/2"	I. P.	11/4" 0.	D. Tube
4079		11/2"	I. P.	13%" O.	D. Tube
4080		11/2"		, ,	D. Tube
If wa	anted in	Chrome,	add "C"	to Catal	log Num-
ber.					

Connecting Traps with a solder bushing, or jam nut is old fashioned.

There is a much better way. Screw the body of the above couplings into the fitting; slip the coupling nut and double ground joint, over the outlet of the trap, screw together, and you have a perfect air, liquid and gas type connection

It is impossible to move this connection without loosening the coupling nut. Being all metal, makes a much superior joint to coupling nuts where rubber gaskets are used to seal. These rot



Male-Plain Brass

or
Tube
Tube
Tube
Tube
]

and disintegrate in time, while the all brass feature of these couplings is practically perpetual when properly used.

Should the trap become stopped with lint, hair or other insoluble waste matter, simply remove the coupling nut at the connection and lavatory waste. This enables you to remove the trap for visible, perfect cleaning, and eliminate the necessity of lying on your back and attempting to hook the stoppage with a wire through the cleanout.





Slip Joint Connections



Brass, Nickel Plated and Chrome

For Basin and Bath Supply Pipes

No.	Threaded for	Slip Joint for
4127	 . %" I. P.	9 " O. D. Tube
4129	 . ½" I. P.	$\frac{21}{32}$ " O. D. Tube or
		%" I. P. Size Tube

Trap Slip Joint for Lead Pipe Waste



No. 4125

No.	Reamed for	Slip Joint for
	P14" lead pipe	1¼" O. D. Tube
4125-C	1¼" lead pipe	1¼" O. D. Tube
For Con	necting Lead Pipe Was	te to Brass Tube,
to the F	te. Cast Flange can be loor or Wall.	securely screwed

Brass Slip Joints for Iron Pipe



No. 4086

No.	Nipple Threaded	Slip Joint for
4086-N. P	1¼" I. P.	14" O. D. Tube
	Same All Ro	
4086-C	Same With	Chromium Plated
	Brass Nut	

For connecting waste and vents of traps, etc., to Iron Pipe. Includes Brass Nipple, Brass Slip Joint Nut, Brass Friction Ring, and Rubber Slip Joint Washer.

Bath and Basin Supply Pipe Connections

For Bath Supply



With Nut

No	Tapped	Finish
4145-R	%" I. P.	Rough Nickel
4146-R	½" I. P.	Rough Nickel

For Bath Supply



No.	Tapped	Finish
4143-R	%" I. P.	Rough Nickel
4144-R	½" I. P.	Rough Nickel

Basin Supply Couplings



Rough Nickel and Polished Chrome

No.			Siz	e		
4139-R	 . 3/8"	I.	P. x	1/4"	I.	P.
4140-R	 . 1/2"	I.	P. x	1/4"	I.	P.
4140-C			Pv			

Brass Collar for Tank Supply



No.		Size			
4030-N.	P		D. x		
4030-C					





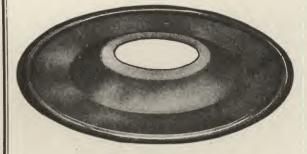
Flanges

Heavy Brass—Nickel Plated or Chrome

No. Diameter Hole to Fit 4149 $2\frac{1}{2}$ " Faucet

If wanted in "Chrome" add "C" to the Catalog Number.

Raised Faucet Flange



Nos. 4151-4152

NICKEL PLATED OR CHROME

No. Dia at Base Hole to Fit
4151 3" ½" Faucet
4152 3" 5%" and ¾" Faucet

If wanted in "Chrome" add "C" to the Catalog Number.

Closet Spud Flanges Nickel Plated or Chrome



No. 4171

No. Size Diam. at Base Height
4171......2 in. 3½ in. ¾ in.

If wanted in "Chrome" add "C" to Catalog Number.



No. 4149

Durham Flanges with Spring Holder

Heavy Brass, Nickel Plated or Chrome



Nos. 4163-4164

If wanted in "Chrome" add "C" to Catalog Number.





Flanges

Heavy Brass, Nickel Plated or Chrome





Nos. 4777-4196

With Sure-Grip Spring Holders

HOLE FOR IRON PIPE SIZES

No.	Hole for	Diam. at Base
4177	% in. I. P.	2½ in.
4178	½ in. I. P.	2½ in.
4179	¾ in. I. P.	3 in.
4181	1¼ in. I. P.	3½ in.
4182	1½ in. I. P.	3½ in.
If wanted in	"Chrome" ac	dd "C" to the
Catalog Numb	er.	

HOLE FOR TUBING SIZES

		1220
No.	Hole for D	iam. at Base
4188		2½ in.
4189		2½ in.
4190		2½ in.
	% in. O. D. Tube	2½ in.
	¾ in. O. D. Tube	2½ in.
	1 in. O. D. Tube	3 in.
	11/4 in. O. D. Tube	3 in.
	1½ in. O. D. Tube	3 in.
4196	1% in. O. D. Tube	3 in.

Extra Deep Flange With Sure-Grip Spring Holder



Nos. 4200-4225

HOLE FOR IRON PIPE

No.	Height	Hole for	Dia. at Base
	1¼"	%" I. P.	23/8"
	1¼"	½" I. P.	2 3/8 "
4225.	1¼"	$\frac{9}{16}$ " Tube	23/8"

If wanted in "Chrome" add "C" to Catalog Number.

Heavy Brass

Nickel Plated



Nos. 4165-4166

HOLE FOR TUBING

			_
No.	Height	Hole for	Dia. at Base
4165.	11/2"	1¼" Tube	3"
4166.	1½"	11/2" Tube	3"

If wanted in "Chrome" add "C" to Catalog Number.





Hose Fittings

Galvanized Hose Clamps For 3-Ply Hose



Nos. 4363-4365

No.	4363						٠	.Size	1/2"
	4364								
	4365								

Female Parts Only



Nos. 4379-4380

No.										Size
4379										1/2"
4380										3/11

Small Hose Clamp N. P. For Beer and Air Hose



Nos. 1580-1581

No.	1580				.for	Hose	3/4"	0.	D.
						Hose			

Brass Hose Couplings



Nos. 4377-4378

No.															Size
4377															1/5"
4378															
4510		٠	٠	٠	٠	۰	٠	٠	٠		۰	۰	۰	٠	9.1

Clincher Hose Couplings





Clincher Hose Mender

BEFORE JOINING



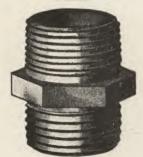






Hose Fittings

Male



Nos. 4397-4398

BRASS HOSE NIPPLES

Male and Female



Nos. 4399-4400

No.				F	Io	se Thread	
4397							
4398						3/4"	

I. P. Thread

No. Hose Thread 4399 ... 4400

I. P. Thread

Double Female

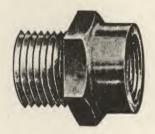


Hose Thread

100
DOWARD WATE
Nos 4401-4402

I. P. Thread

Male and Female



Nos. 4403-4404

WITH REVERSE THREADS

No.	I. P. Thread	Hose Thread
4403	1/2"	3/4"
4404	3/4"	3/4"
	7-3E	/生

Hose Nozzle

Sturdily built of Cast Brass. The Discharge Openings in the Stem have a Clear, Full Waterway. No Drip. No Back Spray. Quickly adjusted, to produce various sprays.

No. 4410 3/4"



No. 4410

* HOSE WASHERS—SEE PAGE 51 RUBBER AND FIBRE SECTION.







Nos. 4426-4429

Hose Cocks

No.									Size
4426								1/4"	Female
4427		٠			٠	4		3/8"	Female
4428							٠	1/2"	Female
4429								3/4 "	Female

Gas Fittings

- BRASS -



No. 4437

I	n	C	le	2	p	e	:1	n	C	l	e	n	ıt	1	(3	0	C	1	7	S
No. 1437																					Size



Nos. 4431-4433

"L" Burner Cocks

No.												Size
4431												1/4"
4432											٠	3/8"
1122												14"

Copper Wire

Soft Copper Wire for Plumbers.	In 5 lb. Spools
Number	4944491/2
Gauge121	416



Gas Fitters Cement

No. 4447per pound



No. 4447

Sink Collars



No. 4345

Cast Iron Sink Collars

REGULAR

No.											De	scription
4345.											. Plain	Iron



Nos. 4350-4351

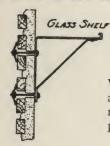
Cast Iron Sink Collars

No.	Tapped	Description
4350	11/4 in. I. P.	Plain Iron
4351	1½ in. I. P.	Plain Iron





PLASTER ON WOOD LATH

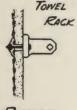


Spring-In Toggle Bolts

CADMIUM PLATED—RUST PROOF

Wings fold down to push through opening. As soon as they are through the hole they spring open. Made with flat, round or mushroom head. Brass screws with chromiumplated heads supplied only with round heads.

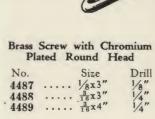
Cadmium Plated

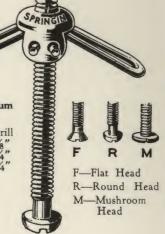


PLASTER ON METAL LATH

No. 4480 4481	am. & Length of Screw . 1/8 x 3" . 1/8 x 4" Mushroom I	Required 3/8" 3/8"
4482 4483 In Round	. 3/16 x 3" . 3/16 x 4" and Flat He	1/2" 1/2" ads Only
4485	. 1/4 x 3" . 1/4 x 4"	5/8" 5/8" 5/8"

In Round and Flat Head





Steel Toggle Bolts

CADMIUM PLATED

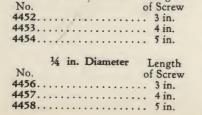


Nos. 4452-4458.

WITH STEEL SCREW

15 in. Diameter

Length



Nos. 4460-4465.....

ROUND HEAD STEEL SCREW



Nos. 4468- 4473...

FLAT HEAD STEEL SCREW

 ½ in. Diameter

 Length

 No.
 of Screw

 4472
 3 in.

 4473
 4 in.

No. 4450—1/8 x3" Flat Head for Sani-Set





Pipe Fittings—Pipe Holders

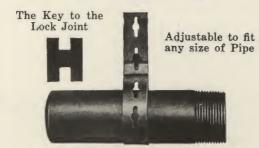
Galvanized Crossovers



Nos. 4525-4526

No.	Size
4525	1/2 in.
4526	3/4 in.

Pipe and Cable Hanger



No. 4650

Made from special tempered soft steel, extremely strong, yet easily twisted or bent by hand. Can be installed without the use of tools. Packed in box containing 12 yards of hanger with keys for fastening.

No. 4650......3/4" wide, 20 gauge

Brass Name Plates



No. 4727

BLACK LETTERS

To designate the use of Stops and Wastes.

No. 4727.....Dia. 1½", 3 Hole

Galvanized Flat Washers



No. 4648

Chain Stay Washers

No. Diameter Diam, of Hole



WICK-PAC

Invented by a Plumber. Takes all the effort and annoyance out of wicking brass pipe threads. Conveniently spooled in a container with metal ends and this handy container fits snugly into the hand. Comes ready for use and the strands are of the highest grade cotton, in two sizes.

No. 4715. Single strand, for pipes up to 3/4". Enough to wick 300 pipes 3/4". Fine

No. 4716. Single strand for pipes 1" and 2". Coarse

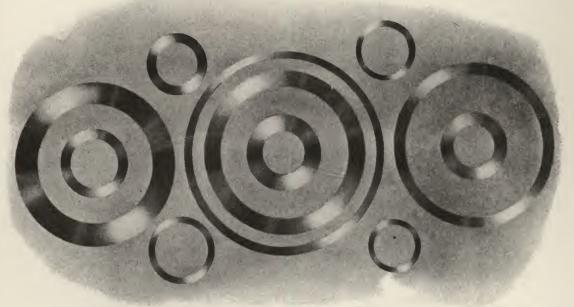


No. 4715





Brass Friction Rings



Nos. 4670-4693...

HOLE FOR TUBING SIZES

Outside		
No. Diameter	To Slip Tube	To Fit Nut
4670 ⁹ in.	76 in. O. D.	3/8 in. I. P. No. 4068
4671 33 in.	Te in. O. D.	½ in. I. P. No. 4069
4672 ²³ / ₃₂ in.	1/2 in. O. D.	1/2 in. I. P. No. 4070
4673	16 in. O. D.	1/2 in. I. P. No. 4071
46741½ in.	11/4 in. O. D.	11/4 x 11/4 in. No. 4054
4675	13/8 in. O. D.	11/4 x 13/8 in. No. 4055
4676	11/4 in. O. D.	11/2 x 11/4 in. No. 4056
4677	13/8 in. O. D.	$1\frac{1}{2} \times 1\frac{3}{8}$ in. No. 4057
4678	$1\frac{1}{2}$ in. O. D.	$1\frac{1}{2} \times 1\frac{1}{2}$ in. No. 4058
4679 15 in.	3/8 in. I. P.	3/4 x 3/8 in. No. 4072

FOR BASIN FAUCET AND ODD THREAD NUTS

No.	Outside Diameter	To Slip Tube	For Use With
4688	$\frac{21}{32}$ in.	76 in.	Basin Faucet Nut for 6536 Connection
4689		1/2 in.	Basin Faucet Nut
4690		1/2 in. 1/2 in. 1/8 in.	Ideal Float Valve (Ball Cock) Shank
4691 4692			Ideal Float Valve (Ball Cock) Shank
4693		2 in. 3/2 in. I. P.	Closet Elbow Nut

ASSORTMENT BRASS FRICTION RINGS

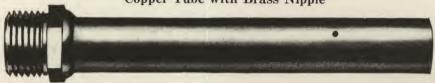
No. 4694	100	Assorted Rings
----------	-----	----------------





Copper Boiler Tubes

Copper Tube with Brass Nipple



Made of $\frac{1}{2}$ " O. D. Seamless Tubing, equipped with a Brass Rod Nipple, threaded $\frac{1}{2}$ " I. P. S. securely assembled to the tube. Tubes have same inside diameter as the standard $\frac{1}{2}$ " I. P. S. and are installed more quickly and with more economy than either regular $\frac{1}{2}$ " I. P. S. Brass Pipe or $\frac{1}{2}$ " I. P. S. Galvanized Iron Pipe.



Pacific Coast Slip Joint Elbow

Brass-Nickel Plated or Chrome

No.		Tapped for	Slip Joint for	Center to End
4750-N.	P.	½" I. P.	½" O. D. Tube	2"
4750-C		¹ / ₂ " I. P.	½" O. D. Tube	2"

Collars with Shoulder



Bibb Ends Cast Brass—Polished to Solder



Stamped Collars for Solder Joint



No. For Of Flange 47531¼" O. D. Tube 15%" O. D. 47541½" O. D. Tube 2" O. D.

Collars



No.		Tapped for
4755	3/8	" I. P. Size
4756		" O. D. Tube
4757	1½	" O. D. Tube





Floor Drains

For Showers, Urinal Stalls, etc.



Nos. 4780-4781

Brass, Chromium Plated. The strainer is removable by loosening two screws.

No.	Tapped	Diameter
4780	1½″ I. P.	41/2"
	2" I. P.	41/2"

Floor Drain

Chrome Plated Removable Top

For tile, mosaic floors, or wherever there is a cement base, or for solid cement floors.

No.	Diameter of Strainer	Tapped for
4782	4½"	1½" I. P. Female
4783	4½″	2" I. P. Female



Nos. 4782-4783

The Adjustable Threaded Drain Plug which receives the Strainer is slotted so that if, through the settling of a building or any other cause, water should work down and around between the Waste Plug and the cement, it will be caught by the lower embedded pan and directed through the slots into the Outlet, thereby saving the ceiling and contents of room below the drain.



No. 4784

Ventilation Caps

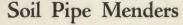
Cast Iron—Painted Black With Brass Set Screw

Service Box Bolts

Brass-Pentagon Head



Nos. 4785-4786



Brass Bolt and Iron Plate



Often saves cutting out a length of Soil Pipe in close places and can be used as a cleanout.

Number	4787	4788	4789
Size	2" .	3"	4"







Grease, Paste and Cement

Soldering Paste



Nos. 4838-4840

An article of high merit. It is efficient and economical. Our "Enduro" brand is highly recommended by our customers, many of whom have used it for years.

No.	Contents of Can
4838	 2 ounces
4840	 1 pound

Plumbers' Soil



No. 4900

"Securo" Soil Pipe Cement



No. 4901

No. 4901Box of one dozen sticks

Key Grease



No. 4903

Waterproof Grease



No. 4916

For use when repairing faucets. Grease all working parts when rewashering or making repairs. Prevents squeaking and leaves the action of the faucet smooth and easy.

No. 4916 5 ounce can

Pure Tallow For Plumbers' Use



No. 4905

No. 4905 1 lb. can



MODERN PACKAGING

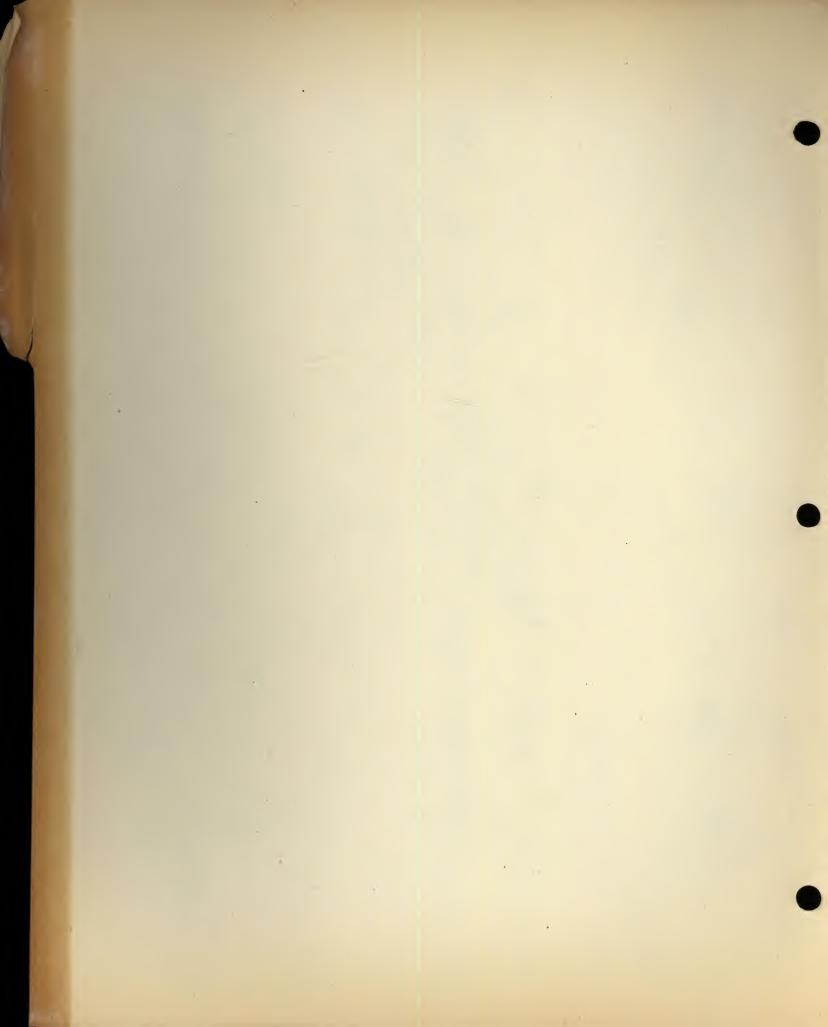


We pack our best Faucet Washers in Lock Top Handy Tin Boxes. Top will not come off if dropped.

STRONG "METAL EDGE" BOXES



We have adopted the use of strong Metal Edged Boxes to protect W-W Quality Merchandise. This insures goods coming to you in good condition, and in boxes—looks good on your shelf.







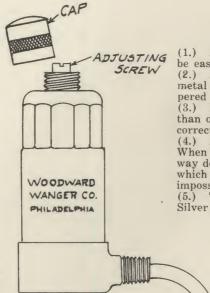
Radiator Air Valves



No. 4791

Well constructed. Positive automatic action and adjustment this valve dependable under all conditions of expansion and contraction.

4791 Automatic Air Valve



Adjustable Air Port Syphon Float Valve

No. 4794

(1.) Adjusting screw permits System to be easily and quickly balanced.

(2.) Adjusting screw is protected by metal cap. This prevents it being tampered with after setting.
(3.) Radiators that get hot quicker than others (or not hot enough) may be

corrected by adjusting the airport.
(4.) Adjusting feature is fool-proof. When adjusting screw is turned all the way down, there is still a slight air hold, which permits the System to vent. It is impossible to screw the vent out.
(5.) The valve is made with a Nickel

Silver seat, which prevents corrosion.

(6.) The drain tube permits water in the valve to drain out without shaking

or tapping. (7.) Valves unconditionally "Guaranteed" for one vear

Each valve individually boxed, packed 12 to a carton.

Air Valves

No. 4794

Radiator Air Valves



No. 4763

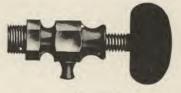
Regular Loose Key Pattern No. 4763 ½"

Extra Keys for No. 4763 No. 4765 Key Radiator Air Valves



No. 4760

Coin Lock Screw Pattern No. 4760 1/8" Radiator Air Valves



No. 4790

Regular Wood Wheel Pattern No. 4790 1/8"

Brass Air Cocks



Finished in Red Steam Metal, Too Handles Male Threads

No.	ize
4773	in
4774	in
4775	in

Drain Valve

No. 4749 Male Thread 3/8" I. P.

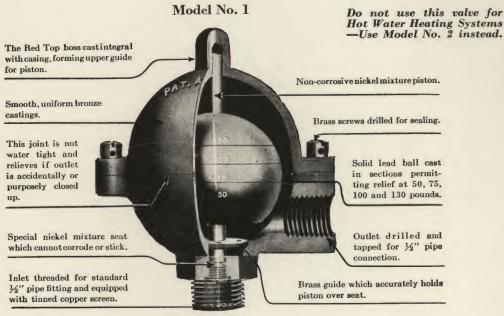
> No. 47491/2 Female %" I. P.





Red Top Relief Valve

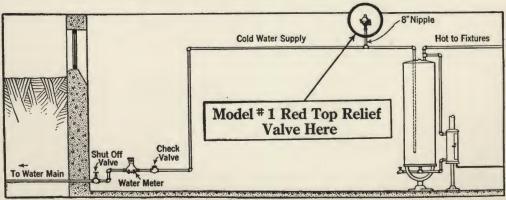
For Domestic Hot Water System



No. 4855

Model No. 1 Red Top Relief Valve is good insurance against exploding boilers. Look at the sectional view above and you will see why the Red Top is so dependable in action—made of non-corrosive metal throughout; no springs, levers, diaphragm, or other complicated parts. A special nickel mixture weighted piston, which operates on the gravity principle, is forced off the seat when pressure in system exceeds the pressure at which the valve is set.

Always responds in the emergency. No chance for this valve to jam, clog, stick, or otherwise get out of order. May be set to relieve at 50, 75, 100 and 130 pounds, simply by removing or adding sections of the lead ball which are plainly marked for pressures. APPROVED—Model No. 1 Red Top Relief Valve is approved by the Underwriters Laboratories, Inc., and by State and Municipal Bureaus of Water and Boiler Inspection.



Always install in cold water line in a vertical position on horizontal line or section of pipe. Set valve at least 25 pounds higher than city water pressure.





Red Top Relief Valve For Hot Water Heating Systems

For Use with 1200 to 2000 Feet of Radiation.

Protection for hot water heating systems is provided by a Model No. 2 Red Top Relief Valve. There is no chance of a cracked boiler section when this valve protects the system. It gives instant relief at 30 pounds pressure. Made entirely of non-corrosive metal; no springs, levers, diaphragms, or other complicated parts. It operates on the dead-weight principle and is as dependable as the law of gravity itself.

Red Top "Tank-in-Basement" System of Hot Water Heating

An air-tight tank of any good make and a No. 2 Red Top Relief Valve are the only two special parts required for the most efficient, most economical system of hot water heating — and installed at the lowest cost.

Be sure to use the right model for the feet of radiation it must protect. See table below.



Model No. 2 Red Top Relief Valve is the same as Model No. 1, but larger in size and made with a solid lead ball which relieves at 30 pounds pressure.

Red Top—"Tank in Basement" Hot Water House Heating System

Model No. 3



The Red Top "Tank-in-Basement" System is a decided step forward in hot water heating. Not only is the expansion tank placed in the basement, near the heater where it belongs, but the system is "closed", so to speak, affording better and more uniform heat. The water expansion is

taken care of by an air cushion in the tank which is air-tight. The pressure created in the system causes a more rapid circulation of hot water, and water in returning to the boiler is of higher temperature than in the open system and is more quickly reheated, thus effecting a saving in fuel consumed.

Due to rapid circulation smaller piping may be used if desired, and a fair amount saved in cost. The only additional equipment required over the open tank system is the Red Top Relief Valve. The gauge and thermometer are the same; so is the tank which, however, must be air-tight. A tank of any manufacture may be used, but its size should be governed by the following table:

For use with Model No. 3 Red Top:

For use with Model No. 3 Red Top:
15 gal. Tank.....up to 500 ft. Radiation
21 " "500 to 800 ft. "
26 " "800 to 1200 ft. "

Tank must be air-tight.

Note: From 1200 ft. to 2000 ft. Radiation use Model No. 2.





Relief Valves



Nos. 4866 - 4869C

Pop Safety Valve

Cast Brass with Semi-finished Bonnet

Equipped with testing Lever. A. S. M. E. Standard Specifications, set to relieve at 15 lbs. pressure.

Tested under actual steam conditions.

Operates to relieve pressure above 15 lbs. in steam House Heating Systems. Insert directly in the top of Boiler.

Diaphram Pressure Relief Valve

Nos. 4850-4851

This valve acts automatically to release any increase in water volume due to expansion under closed heating conditions. In addition it can be opened manually for testing or flushing, by the test lever.

No. 4850—1/2" I. P. S.—Cannot be set to relieve at higher pressure than that at which it is stamped. The limit setting is 160 lbs. (A. S. M. E. Standard.) If pressure setting is desired below that at which valve is marked, turn Hex adjusting Nut (right under testing lever), counter clockwise until water begins to drip out of the relief outlet. Then turn Hex adjusting nut clockwise until the dripping stops.

No. 4851—1/2" I. P. S.—This valve is standard for Hot Water Heating systems and is factory set to release at 30 pounds pressure per square inch, the maximum pressure setting of the valve.



Nos. 4850-4851

Vacuum Breaker



No. 4872

Insert in Hot or Cold Water line close to domestic Hot Water Boiler, and it will break any vacuum. Recommended especially where Copper Boilers are used. Break the line and insert tee.

Fusible Plugs



Fusible Plugs should be installed with the small end of the Banca tin exposed to the direct passage of the fire or gases. Do not use the plugs inside a steam drum, etc., where the temperature of the steam is used as a fusing agent.

The Style	To Insert	1	to	I.P.T.	½" I.P.T.	I.P.T.	I.P.T.	I.P.T.	L.P.T.
Short Short	Outside Inside Outside Inside	30 30 175	lbs.	4844 4845 4846	4844A 4845A 4846A	4844B 4845B 4846B	4844C 4845C 4846C	4844D 4845D 4846D	4844E 4844E 4846E





Relief Valves

All water Relief Valves tested under Hydraulic Pressure

Hextop Relief Valve with Adjustable Pressure Indicator



No. 4860

Can be regulated from 50 to 150 pounds. Cast Brass, ½" I. P. Install in Cold Water return line and pipe to drain if desired.

No. 4860½" I. P.

Spring Relief Valve



No. 4865

Combination Pressure and Vacuum Relief Valve



No. 4861

Made of rough Brass. Factory set for 125 lbs. Pressure Relief with built-in Vacuum Breaker device. Acts to relieve increases in pressure due to expansion of water in domestic Hot Water System. Vacuum acts to prevent collapse of Boiler in case of vacuum. Install in Cold Water return line and pipe to drain if desired.

No. 4861½" I. P.



Temperature Pressure Vacuum Relief Valve

For the protection of Domestic Hot Water Tanks heated by coal, oil, wood or electricity. Valves operate on patented Lovekin principle of the enclosed fuse. Strongly made and widely approved.

No. 4862 , ¾ " I. P.

Combination Boiler Drain and Pressure Relief Valve



Here we combine two essential Valves in one unit. The valve body is provided with a valve seat and hose connection outlet, much the same as an ordinary boiler drain cock. The valve is closed by spring action instead of a positive screw stem action. The indicator handle which opens or regulates the pressure adjustment is limited in travel so that in the shufoff position, pressure within the boiler or system is limited to 150 lbs. per square inch. A lower pressure setting may be had by turning the inas desired. The pressure spring

dicator handle to 100 lbs, or 50 lbs, as desired. The pressure spring is fixed to the valve stem so that a positive opening is assured for quick draining of the system when desired. The pressure at which the valve will automatically relieve is indicated by the handle on the dial of the bonnet.





"Enduro" Floor and Ceiling Plates

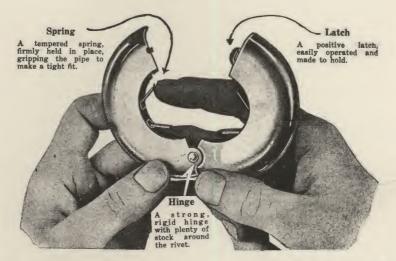


Nos. 4799. 4821

Prong Type

Nickel Plated	Chrome Plated	Satin Finish
No. Size 4799-B %" 4800-B ½" 4801-B ¾" 4802-B 1" 4803-B 1¼" 4804-B 1½" 4805-B 2"	No. Size 4799-BC %" 4800-BC ½" 4801-BC 34" 4802-BC 1" 4803-BC 114" 4804-BC 1½" 4805-BC 2"	No. Size 4810-B %" 4811-B ½" 4812-B ¼" 4813-B 1" 4814-B 1¼" 4815-B 1½" 4816-B 2"
For larger sizes see The larger sizes are ever, and not Prong	Spring Type, how-	48172½" 48183" 48193½" 48204" 48215"

Spring Type



Po	ligh	ha	N	ickel	Pla	te
I U	изи	cu	-	ICKCI	2 10	LC

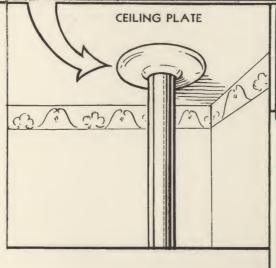
No.	Size
5010	 3/8"
5011	 1/2"
5012	 3/4 "
5013	 1"
5014	 11/4"
5015	 1½"
5016 5017	 21/2"
5017	 3"
5019	 31/2"
5020	 4"

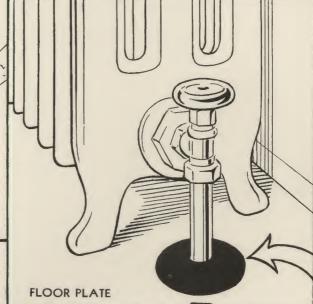
Polished Chrome Plate

No.	Size
5025	 1/2 "
5026	 3/4 "
5027	 1"
5028	 1¼"
5029	 1½"
5030	 2"









BAKELITE

Floor & Ceiling Plates

BAKELITE is the ideal material for floor and ceiling plates because any heat from pipes will not cause expansion and the opening of springs.

For this reason alone they are superior to metal plates. But there are other advantages. They will not peel, chip, rust, dent or discolor. They will not slide around on pipes. They grip tight and stay put.



Bakelite Plates have the advantage over metal plates in that they can be cleaned easily and quickly and kept bright and new looking. Just wipe them with a damp cloth. BAKELITE plates can be had in mottled oak, black, white and ivory, to permit more nearly matching the floor and ceiling.

No longer is there any excuse for soiled, rusted, dented or half-open plates to mar the appearance of a room. Bakelite is the answer.

WHITE

BLACK

IVORY

Specify Color Desired When Ordering

Choice of Oak, Black, White or Ivory

No.	Size	No. Size
5040		50431¼"
5041	3/4 "	5044
5042	1"	50452"





Heating Sundries



Leakure for Boilers

Highly recommended for sealing cracks and fissure leaks in steam and hot water boilers; and also in new installations. Will seal sand hole leaks as well as joint and thread leaks. Fifteen years of satisfactory service is your best guarantee of the work it will do.

No.	Conten	Contents		
4885	One Qu	art		

Seals-Rite for Boilers

A metallic powder that has been thoroughly tested and proven. Recommended for hot water boilers, steam boilers and new installation. Used for exactly the same purpose as "Leakure", but Seals-Rite is a powder. It forms a permanent patch at the sand hole, leak or break, and will stubbornly resist high pressures. Contains a cleaning element that will remove foreign matter from the system.

No. 4886One Quart Can





Boiler Cleaner

Will remove rust and scale from hot water boilers, steam boilers, pipes, etc. Just mix and place in the system as directed, one can to every 100 square feet of radiation up to 600 square feet. After that, one can to every 150 square feet. Full directions on can. In steam plants it eliminates the scale scum and film which form on the surface of the water causing waste of fuel.

No. 4915 1 lb. can

"Ceko" Mettalic Filler

-In Place of Welding-

"Ceko" Metallic Filler is most valuable for speedy and permanent repairs of cracked castings. It is not a paste, liquid or soft solder, it is a bronze alloy of considerable hardness and is worked plastic and not in the molten state. It can be used on the most difficult overhead repairs, on boiler sections, radiators, pipes, valves, etc. This remarkable compound adheres quickly and permanently to cast iron, and all other metals with exception of aluminum. It fuses in place at approximately one-fifth the cost of a welding job, and in addition it requires no special tools or equipment for its application. Every plumber's kit should contain a can of Ceko

Metal Filler. Full directions on every







Bronze and Aluminum

Bronze and Aluminum Powder



Nos. 4842-4843

A highly satisfactory Bronze Powder. Easy to mix, has good coverage, and will permit you to leave your new installation with a highly attractive and lasting finish. Will not crack or peal off and retains its bright lustre over a long period of time.

Bronzing Liquid



No. 4849

An absolutely reliable grade of Bronzing liquid.

No. 4849 Gallon cans only.

One Pound Cans

"FREEZO" Easy Cutting Oil



Use "Freezo" as you would any other cutting oil. But less of it. The heavy body film clings to the metal longer, requires less oil and reduces friction to a minimum. The tool does not quickly heat up and the die lasts much longer.

"Freezo" puts a good, clean thread on steel pipe. Prevents rust and will outlast ordinary cutting oil. Is thor-

oughly antiseptic.

We do not charge for containers and make no allowance for their return. Shipments of "Freezo" are made by freight, prepaid.

No. 5000	One Gallon
No. 5001	5 Gallon Can
No. 5003	





Pipe-Hanging Chain Niagara Pattern

No.	Gauge	For Pipe	Tensile Strength
4644A—Chain	9	31/2" to 8"	1675 lbs.
4644B—Chain	11	21/2" to 3"	1130 lbs.
4644C—Chain	13	1½" to 2"	690 lbs.
4644D—Chain	14	1" to 1½"	505 lbs.

No. 4645Λ —Ox Bow Hanger for Pipe from $2\frac{1}{2}$ " to 8". No. 4645B—Ox Bow Hanger for Pipe from 1" to 2".

No. 4646A—Large Screw Hook for No. 4645A. No. 4646B—Small Screw Hook for No. 4645B.



No. 4646A Large Screw Hook for No. 4645A

No. 4646B Small Screw Hook for No. 4645B



No. 4645A-Ox Bow Hanger



Chain and Hanger in Position



No. 46158-Ox Bow Hanger

Extension Bar

Pipe Hanger

00000000000000

Made of the finest quality mild Steel, with holes ½" apart. Steel is soft, easy to work with and easy to cut with heavy shears or cold chisel. Be sure to specify Catalog Number and number of feet wanted.

Catalog Number	Width and Gauge	Size Hole	Center to Center of Hole	Feet per Standard Bundle
4665A	3∕ ₄ x 18g	1/4"	1/2"	250
4665B	$\frac{3}{4} \times 16g$	1/4"	1/2"	250
4665C	₹ x 16g	1/4"	1/2"	250
4665D	1 x 14g	1/4"	1/2"	250
4665E	11/8 x 12g	5/6"	1/2"	250
4665F	11/4 x 12g	3/8"	3/4"	100
4665G	11/4 x 3/6"	3/8"	3/4"	100
4665H	1½ x ¼"	1/2"	1''	100

Steel Band Hanger and Flat End Lag Screw

A strong Steel Band for Hanging Pipe. Has two holes for adjustment. Extensively used on large pipe.



No.	Diameter	Lag Screw
4666	1"	No. 1
4666A	11/4"	No. 1
4666B	11/2"	No. 1
4666C	2"	No. 2
4666D	21/2"	No. 2
4666E	3".	No. 2
4666F	4"	No. 2

No. 4666G—Lag Screw No. 1—5/16"x3" No. 4666H—Lag Screw No. 2—2" x3"

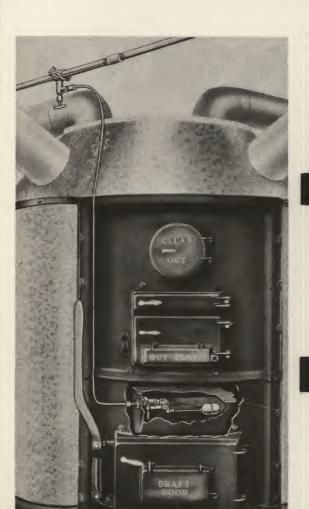




Humidifier Valves

An Automatic Valve for Maintaining a Constant Level of Water in the

Water Pan of Warm Air Furnaces

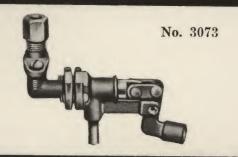


Moving parts clear of the water, cannot corrode or stick, plunger Chromium Plated. Cast parts of ingot brass.

Can be installed in half hour without dropping the fire. Drill the pan or pan cover for the valve, and drill a convenient cold water pipe line for the strap valve.

Choice of two models each priced alike.

TWO MODELS



No. 3073—For installing through the top of the Pan



No. 3074—For installing through the side of the Pan Cover (as illustrated).

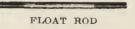


THESE PARTS GO WITH EVERY VALVE

Complete Installation Equipment



COPPER FLOAT



All Screws and Nuts Come
With the Valves



10 FT. COPPER TUBING

EVERY WARM AIR FURNACE NEEDS A HUMIDIFIER VALVE





Radiator Valves for Steam and Hot Water

ANGLE VALVE -STEAM-



Made from high grade steam
Bronze. Design is heavy and
substantial and metal is distributed so as to provide
strength where most needed.
The two surfaces forming a
Union Seat, due to the extra
machining given them, readily
makes a steamtight joint.
This seat is
formed by the
combination of
an angle and

an angle and a curved surface.

Nos. 4731-4736

No. 4731 ½" No. 4732 ¾" No. 4735 1½" No. 4736 2" No. 4733 1" No. 4734 11/4"

ANGLE VALVE -HOT WATER-



steam bronze. A strong, rugged, well-made valve with the trimmings highly polished. Handwheel black

moulded composition. Bonnet and body cast in one piece.

Nos. 4737-4742

No. 4737 ½" No. 4738 ¾" No. 4741 11/2" No. 4739 1" No. 4740 11/4" No. 4742 2"

Union Elbows



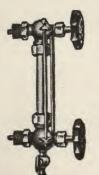
This is a heavy pattern, well-made Union Elbow, accurately machined and finished. Each one carefully tested. Threaded right hand on both inlet and outlet.

No. 4743½"	No. 47451"	No. 47471½"
No. 4744 34"	No. 4746 11/4"	No. 47482"

Self-cleaning Water Gauges

With Iron Wheels

Substantially made and very serviceable. The first three numbers shown



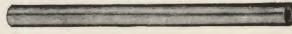
Bronzed Body

(4795A, 4795B, 4795C) have bronze bodies. The balance have polished bodies.

	Size Glass	No. of	Pipe Thread	
No.	Inches	Guards	Inches	
4795A	5/8x10	2	3/8	
4795B	5/8x10	2	3/8	
4795C	5/8x12	2	1/2	
4795D	$\frac{3}{4}$ x16	2	1/2 3/4	
4795E	5/8x12	2	1/2	
4795F	5/8x12	4	1/2	
4795C	3/x16	4	3/	

Scotch Gauge Glasses

For 200 Pounds Steam Pressure



Lengths not regular are charged at price of next larger tubes of same diameter.

Length In.	1/2	5/8	3/4
	4796	4797	4798
8			
9	4796A	4797A	4798A
10	4796B	4797B	4798B
11	4796C	4797C	4798C
12	4796D	4797D	4798D
13	4796E	4797E	4798E
14	4796F	4797F	4798F
15	4796G	4797G	4798G
16	4796H	4797H	4798H
17	4796I	4797I	4798I
18	4796J	4797J	4798J
19	4796K	4797K	4798K
20	4796I	4797I	4798I.





BOILER COMPOUNDS



No. 4885 QUART CAN

Leakure

A LIQUID

We have been selling Leakure to the Master Plumbers of American for more than 15 years, and it is highly endorsed by ALL who have used it.

Leakure is highly recommended for sealing cracks and fissure leaks in steam and hot water boilers, and in new installations. Seals sand hole leaks, as well as joint and thread leaks. Use Leakure and be sure. A high grade compound, reasonably priced.

Fifteen years of satisfactory service is your best guarantee of the work it will do. Our volume on this item steadily increases each year. Packed in one quart cans.

Seals-Rite

A POWDER

This is a highly satisfactory Metallic Powder that has been thoroughly tested and proven. It is recommended for Hot Water Boilers, Steam Boilers, and New Installations. Used for exactly the same purpose as Leakure only some prefer a powder.

We believe it to be the equal of any Mettallic Powder seal on the market, regardless of cost. It forms a permanent patch at the sand hole, leak or break, and will stubbornly resist high pressures. Seals-Rite also contains a cleaning element that is intended to remove foreign matter from the system. It will not deteriorate.



No. 4886 QUART CAN

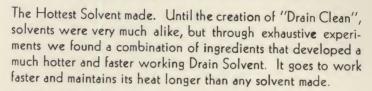






DRAIN CLEAN

DRAIN PIPE SOLVENT



In "Drain Clean" and our other solvent packages we have almost totally eliminated the biting, choking, pungent odor. This is accomplished through the use of a vegetable matter, which neturalizes the fumes, but in no way retards the action of the solvent.

Mix into a galvanized bucket containing two quarts of cold water (not ice cold) the contents of one can, and after one minute of mixing, pour down the drain.

Packed 24 cans to a carton. Sold in multiples of two dozen.



No. 4878

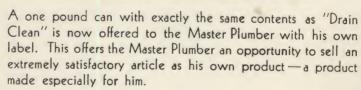
One Pound can with Aluminium Chips

ONLY THE LABELS ARE DIFFERENT IN THESE TWO 16 OUNCE CANS OF DRAIN SOLVENT

16 OUNCE CAN

WITH PLUMBERS OWN LABEL

D. P. O. DRAIN PIPE OPENER

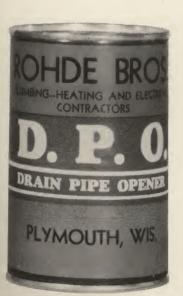


Excellent advertising value, and customers who use it will know where to go when they want more

There is no additional cost when buying Drain Clean with your own D. P. O. (Drain Pipe Opener) Label, providing they are purchased in quantities of Six or more dozen. There is ample room for the plumber's name, address, telephone number or slogan.

Full directions as to how it should be used are printed on the label.

Packed 24 cans to a carton. Sold in multiples of two dozen.



No. 4876

One Pound can with Aluminium Chips







No. 4874

SUPERBO

DRAIN PIPE SOLVENT

Superbo, except for the fact that it is a smaller can, is otherwise exactly the same as Drain Clean, extremely hot, fast action solvent with practically no objectionable fumes.

For resale purposes many Plumbers prefer the twelve ounce can so they can sell it without being so far out of line with the more commonly used Chain Store Products.

Superbo is put up in a beautiful lithographed can, and unless the stoppage is very stubborn or one of long standing, a twelve ounce can will do the job. It should be dissolved in three pints of cold water (not ice cold).

Packed two dozen to a carton.

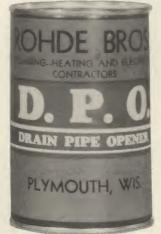
12 ounce can with Aluminium Chips

ONLY THE LABELS ARE DIFFERENT IN THESE 12 OUNCE CANS OF DRAIN SOLVENT

12 OUNCE CAN

WITH PLUMBERS OWN LABEL

D. P. O. DRAIN PIPE OPENER



No. 4872

We now offer the Plumber an opportunity of buying our redhot Solvent in a twelve ounce can with his own label. This offers an excellent advertising value, and there is no additional cost attached to the labelling of this product, as if it were your own.

Quantities purchased, however, must consist of six dozen cans or more, as the printing of special labels in smaller quantities would be entirely too expensive. Many Master Plumbers have

built up a very excellent and a very profitable repeat business on solvent, through the use of this D. P. O. Label.

Packed two dozen to a carton.

12 ounce can with Aluminium Chips





"SUPERBO" PIPE JOINT CEMENT

A PASTE



Our "Superbo" Pipe Joint Cement always remains the same. The ingredients stay in suspension—always ready for use. That is why it enjoys such wide popularity among those who have, and are still using it.

It has a high-grade metallic base, compounded with a blend of oxidizing oils, and forms a metal to metal contact, producing leak-proof joints. It will not shrink, crumble, crack, break or get hard in the can. It is always ready for use.

Most products of this kind, when they stand for any length of time, have a sediment at the bottom which becomes

hard, and when wanted for use, it is necessary to waste a lot of time mixing it again.

No. 4826—1 Pound Lithographed Can No. 4827—5 Pound Can With Handle

"SUPERBO" PIPE JOINT CEMENT





This Cement is in powder form and requires mixing with pure boiled Linseed Oil. This Cement is a combination of the best material known for the purpose, and will resist the action of all forms of corrosion.

You can mix as much as you need for the job at hand, thus eliminating waste. It produces a paste that is thoroughly water and heat-proof, admits of expansion and contraction without the least injury to the joint, which maybe broken after years of wear without the slightest damage to either pipe or coupling.

No. 4831.

5 lb. can
used this powder for years, buying it in the larger size cans.

We have a host of satisfied Plumbers and Steamfitters who have used this powder for years, buying it in the larger size cans.





Made for those who appreciate something better



No. 4895

KLENZ-RITE

Enamel and Porcelain CLEANER

For cleaning and Polishing all enamelware and porcelain fixtures in the home. Klenz-Rite has been in our line for many years, and its quality is unquestioned. It has no harsh ingredients and will not scratch the mirror-like porcelain surface; nor will it in any way harm the hands.

We have built into Klenz-Rite, the finest of cleaning material. It cleans without scratching, because it dissolves oil, grease and dirt spots, instead of scratching them loose. Klenz-Rite goes

further and lasts longer because only a small quantity is needed to do a thorough cleansing job.

14 OUNCE SHAKER TOP CAN

THE BY IN THE TOT COME

Products of this type are fast gaining favor



No. 4907

BOWL BLEACH

Keeps Toilet Bowls Sanitary and CLEAN

A White Granulated Chemical for removing stains from Toilet Bowls. Bowl Bleach is especially good for removing rust stains from under the rim of the Toilet Bowl.

It will not harm the finest porcelain. If the stain is of long standing, rubbing with a stiff closet brush, or a rag fastened to the end of a stick will help to more quickly bring about the decided results; or leave Bowl Bleach remain in the bowl over night.

Bowl Bleach, and similar products are becoming more and more

popular, and every plumber should be in a position to supply them to his customers when wanted. Bowl Bleach is put up in cans containing 1 pound 6 ounces of the product itself.







No. 4915 ONE POUND CAN

BOILER CLEANER

COMPOUND

Will remove rust and scale from Hot Water Boilers, Steam Boilers, Pipes and etc.

Mix and place in the system as directed, one can to every 100 square feet of Radiation up to 600 square feet. After that one can to every 150 square feet. Fire system for 3 hours and then drain. All rust, scale and foreign matter will be removed. It assures a supply of clean, clear water from Hot Water Systems by eliminating the cause.

In Steam Plants it eliminates the scale, scum and film which form on the surface of the water, causing waste of fuel in producing steam. After mixing and placing in the System as directed, Boiler is put under pressure for 3 hours and then drained and flushed clean.

"ENDURO" FAUCET HANDLE CEMENT



No. 4899

It takes but ten minutes for this quick setting cement to securely and permanently fasten a brass spud in a chain handle. Many cements require 24 hours for hardening.

Melt to boiling point in spoon, fill the cavity of the china handle and press the spud into place. In a few minutes scrape off the surplus cement and the job is done.

Illustration is of the half pound can.

4898	2 ounces
4899	half pound
48991/ envelope of cement, good for	six handles

ODO-FLUSH CAKE

TOILET TANK DEODORANT



No. 4910

This is a very pleasing Bathroom Deodorant which keeps the toilet bowl, as well as the toilet tank, sanitary and deodorized.

Hang one cake by the copper wire on the overflow tube inside the tank. Every time the tank is flushed, you are conscious of the mild pleasing odor.

This decidedly pleasant Odo-Flush scent can be made stronger by exposing half of it to the air, having the other half immersed in water when the tank is full. Packed 12 to the Box.

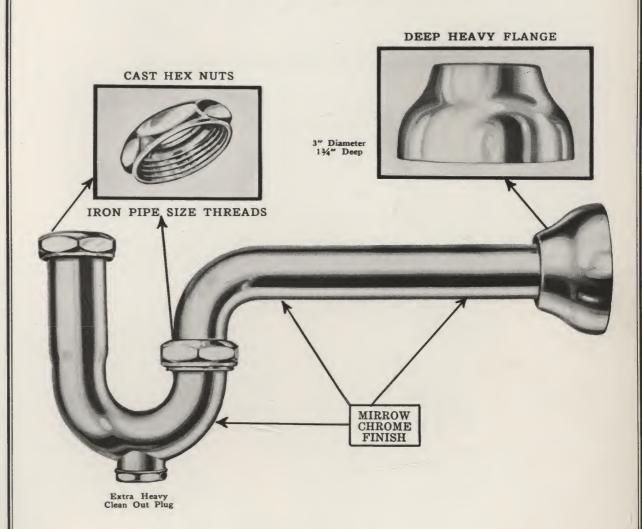








TRAPS



OUTSTANDING FEATURES

- (1) Equipped with extra heavy Cast Hex Nuts with Iron Pipe sized threads.
- (2) Deep heavy flanges (1¾" deep).
 (3) Length 12" from center to end.
- (4) Chromium Plating is heavy and polished to a Mirrow-like finish. We call it Mirrow-

Chrome because it is superior to the usual commercial finishes used on traps.

- (5) Flat Washer Joint.
- (6) All traps are assembled before shipping.
- (7) Each trap is separately wrapped and packed in a strong, reinforced Metal Edge Box

The prefix "20" or "17" before catalog number indicate the gauge of the tubing.





"P" TRAPS

Rough Nickel, Nickel Plated and Chrome Plated



20 Gauge 11/4" No Cleanout

ROUGH NICKEL 20-6000 R.N.

NICKEL PLATED 20-6000 N.P. 20-6002 N.P. 20-6003 N.P.

MIRROW CHROME 20-6000-C

20-6002-C 20-6003-C Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4271 Tail Piece

17 Gauge 11/4" No Cleanout

NICKEL PLATED

17-6000 N.P. 17-6002 N.P. 17-6003 N.P.

MIRROW CHROME 17-6000-C

17-6002-C 17-6003-C

Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4272 Tail Piece

20 Gauge 1½" No Cleanout

ROUGH NICKEL 20-6005 R.N.

NICKEL PLATED 20-6005 N.P 20-6007 N.P. 20-6008 N.P.

MIRROW CHROME 20 6005-C 20-6007-C

20-6008-C

Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and No. 4277 Tail Piece

17 Gauge 11/2" No Cleanout

NICKEL PLATED 17-6005 N.P. 17-6007 N.P.

17-6008 N.P.

MIRROW CHROME 17-6005-C 17-6007-C

17-6008-C

Less connection, with 1¼" or 1½" Inlet With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4278 Tail Piece

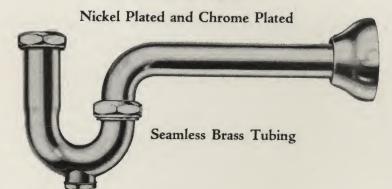


No. 3650 Cast Brass P. O. Plug 234" long, 11/4"-20 Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 21/2" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





"P" TRAPS



20 Gauge 11/4" With Cleanout

NICKEL PLATED MIRROW CHROME

20-6010 N.P. 20-6012 N.P. 20-6013 N.P.

20-6010-C 20-6012-C 20-6013-C Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and No. 4271 Tail Piece

17 Gauge 11/4" With Cleanout

NICKEL PLATED MIRROW CHROME 17-6030 N.P. 17-6030-C 17-6032 N.P. 17-6032-C

17-6030 N.P. 17-6032 N.P. 17-6033 N.P.

17-6033-C

Less connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4272 Tail Piece

20 Gauge 11/2" With Cleanout

NICKEL PLATED MIRROW CHROME

20-6015 N.P. 20-6017 N.P. 20-6018 N.P.

20-6015-C 20-6017-C 20-6018-C

Less connection

With No. 3650 P.O. Plug With No. 4265 Sink Strainer and No. 4277 Tail Piece

17 Gauge 11/2" With Cleanout

NICKEL PLATED MIRROW CHROME

17-6035 N.P. 17-6037 N.P. 17-6038 N.P. 17-6035-C 17-6037-C 17-6038-C Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4278 Tail Piece



No. 3650 Cast Brass P. O. Plug 234" long, 11/4"-20 Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 21/2" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





"S" TRAPS

Rough Nickel - Nickel Plated - Chrome Plated

Seamless Brass Tubing

W-W Traps are equipped with Cast Hex Nuts. These nuts have Iron Pipe sized threads. W-W Traps have deep heavy flanges (1¾" deep). The Chromium Plating is heavy and is polished to a mirror-like finish. We call it Mirrow Chrome. All traps are fitted before being packed and shipped. And each trap is separately wrapped and packed in a strong, reinforced Metal Edge Box.



20 Gauge 11/4" No Cleanout

Regular length, 201/2" long

ROUGH NICKEL NICKEL PLATED MIRROW CHROME

20-6100 R.N. 20-6100 N.P. 20-6100-C

Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and 20-6102 N.P. 20-6102-C 20-6103-C

No. 4271 Tail Piece

20 Gauge 11/2" No Cleanout

Regular length, 201/2" long

ROUGH NICKEL NICKEL PLATED MIRROW CHROME

20-6105 R.N. 20-6105 N.P. 20-6107 N.P. 20-6105-C

Less connection With No. 3650 P.O. Plug 20-6107-C

20-6108 N.P. With No. 4265 Sink Strainer and No. 4277 Tail Piece 20-6108-C



No. 3650 Cast Brass P. O. Plug 234" long, 11/4"-20 Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 21/2" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





"S" TRAPS

Nickel Plated and Chrome Plated

Seamless Brass Tubing

20 Gauge 11/4" With Cleanout

Regular length, 201/2" long

MIRROW CHROME NICKEL PLATED

20-6115 N.P. 20-6117 N.P. 20-6118 N.P.

20-6115-C 20-6117-C 20-6118-C Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4271 Tail Piece

17 Gauge 11/4" With Cleanout

Regular length, 201/2" long

NICKEL PLATED

MIRROW CHROME 17-6115-C

17-6115 N.P. 17-6117 N.P. 17-6118 N.P.

17-6117-C

Less connection

17-6118-C

With No. 3650 P.O. Plug With No. 4265 Sink Strainer and No. 4272 Tail Piece

20 Gauge 11/2" With Cleanout

Regular length, 201/2" long

NICKEL PLATED

MIRROW CHROME

20-6120 N.P. 20-6122 N.P. 20-6123 N.P.

20-6120-C 20-6122-C 20-6123-C

Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4277 Tail Piece

17 Gauge 11/2" With Cleanout

Regular length, 201/2" long

NICKEL PLATED

MIRROW CHROME

17-6120 N.P. 17-6122 N.P. 17-6123 N.P.

17-6120-C 17-6122-C

Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and No. 4278 Tail Piece



No. 3650 Cast Brass P. O. Plug 234" long, 11/4"-20 Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 21/2" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)

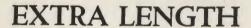




EXTRA LONG "S" TRAPS

Nickel Plated and Chrome Plated Seamless Brass Tubing

W-W Traps are equipped with Cast Hex Nuts. These nuts have Iron Pipe sized threads. W-W Traps have deep heavy flanges (1¾" deep). The Chromium Plating is heavy and is polished to a mirror-like finish. We call it Mirrow Chrome. All traps are fitted before being packed and shipped. And each trap is separately wrapped and packed in a strong, reinforced Metal Edge Box.



20 Gauge 11/4" No Cleanout

26" long, or 51/2" longer than regular

NICKEL PLATED MIRROW CHROME

L-20-6100 N.P. L-20-6102 N.P. L-20-6103 N.P.

L-20-6100-C

L-20-6102-C L-20-6103-C

Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4271 Tail Piece

20 Gauge 11/2" No Cleanout

26" long, or 51/2" longer than regular

NICKEL PLATED MIRROW CHROME

L-20-6105 N.P. L-20-6107 N.P. L-20-6108 N.P.

L-20-6105-C L-20-6107-C

L-20-6108-C

Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4278 Tail Piece



No. 3650 Cast Brass P. O. Plug 234" long, 14"-20 Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 21/2" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





EXTRA LONG "S" TRAPS

Nickel Plated and Chrome Plated

Seamless Brass Tubing

20 Gauge 11/4" With Cleanout

26" long, or 51/2" longer than regular

NICKEL PLATED L-20-6115 N.P. L-20-6117 N.P. L-20-6118 N.P.

MIRROW CHROME

L-20-6115-C L-20-6117-C L-20-6118-C

Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4271 Tail Piece

17 Gauge 11/4" With Cleanout

26" long, or 51/2" longer than regular

NICKEL PLATED L-17-6115 N.P. L-17-6117 N.P.

L-17-6118 N.P.

MIRROW CHROME

L-17-6118-C

L-17-6115-C Less connection L-17-6117-C

Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4272 Tail Piece

20 Gauge 11/2" With Cleanout

26" long, or 51/2" longer than regular

NICKEL PLATED L-20-6120 N.P. L-20-6122 N.P. L-20-6123 N.P.

MIRROW CHROME

L-20-6120-C Less connection L-20-6122-C

L-20-6123-C

With No. 3650 P.O. Plug With No. 4265 Sink Strainer and No. 4277 Tail Piece

17 Gauge 11/2" With Cleanout

26" long, or 51/2" longer than regular

NICKEL PLATED L-17-6120 N.P. L-17-6122 N.P. L-17-6123 N.P.

MIRROW CHROME

L-17-6120-C L-17-6122-C L-17-6123-C

Less connection,
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4278 Tail Piece



No. 3650 Cast Brass P. O. Plug 234" long, 11/4"-20 Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 21/2" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





SINK TRAPS



Rough Nickel, Nickel Plated and Chrome Plated

Bent Tube "P" Trap. Wrought Brass Tubing, with Brass Elbow.

20 Gauge 11/4" No Cleanout

Rough Nickel	Nickel Plated	Mirrow Chrome		
20-6200 R.N.	20-6200 N.P.	20-6200-C	Less connection	
20-6202 R.N.	20-6202 N.P.	20-6202-C	With Sink Strainer No. 4265 and Tail Piece No. 42'	71
20-6203 R.N.	20-6203 N.P.		With No. 3650 P.O. Plug	

17 Gauge 11/4" No Cleanout

Rough Nickel	Nickel Plated	Mirrow Chrome			
17-6200 R.N.	17-6200 N.P.	17-6200-C Less	connection		
17-6202 R.N.	17-6202 N.P.			265 and Tail Piece No. 4272	
17-6203 R.N.	17-6203 N.P.	17-6203-C With	No. 3650 P.O. Plug	200 and Tan Tiece No. 4272	

20 Gauge 11/2" No Cleanout

Rough Nickel	Nickel Plated	Mirrow Chrome		
20-6205 R.N.	20-6205 N.P.	20-6205-C Less	connection	
20-6206 R.N.	20-6206 N.P.	20-6206-C With	Sink Strainer No. 4265 and Tail Piece No. 4277	
20-6207 R.N.	20-6207 N.P.	20-6207-C With	No. 3650 P.O. Plug	

17 Gauge 11/2" No Cleanout

Rough Nickel	Nickel Plated	Mirrow Chrome	
17-6205 R.N.	17-6205 N.P.	17-6205-C Less connection	
17-6206 R.N.	17-6206 N.P.	17-6206-C With Sink Strainer No. 4265 and Tail Piece No. 4278	
17-6207 R.N.	17-6207 N.P.	17-6207-C With No. 3650 P.O. Plug	

20 Gauge 2" No Cleanout

Rough-Nickel 20-6215 R.N. less connection.

No. 3650 Cast Brass P.O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)







EXTRA LONG "S" TRAPS

Nickel Plated and Chrome Plated

Seamless Brass Tubing

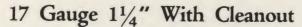
20 Gauge 11/4" With Cleanout

26" long, or 51/2" longer than regular

NICKEL PLATED MIRROW CHROME L-20-6115 N.P. L-20-6117 N.P. L-20-6118 N.P.

L-20-6115-C

L-20-6117-C L-20-6118-C Less connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and No. 4271 Tail Piece



26" long, or 51/2" longer than regular

NICKEL PLATED MIRROW CHROME

L-17-6115 N.P. L-17-6117 N.P. L-17-6118 N.P. L-17-6115-C L-17-6117-C L-17-6118-C

Less connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4272 Tail Piece

20 Gauge 11/2" With Cleanout

26" long, or 51/2" longer than regular

L-20-6120 N.P. L-20-6122 N.P.

L-20-6123 N.P.

NICKEL PLATED MIRROW CHROME

L-20-6120-C L-20-6122-C L-20-6123-C

Less connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4277 Tail Piece

17 Gauge 11/2" With Cleanout

26" long, or 51/2" longer than regular

L-17-6120 N.P. L-17-6122 N.P. L-17-6123 N.P.

NICKEL PLATED MIRROW CHROME

L-17-6120-C L-17-6122-C

Less connection,

With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4278 Tail Piece L-17-6123-C



No. 3650 Cast Brass P. O. Plug 234" long, 11/4"-20 Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 21/2" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





SINK TRAPS



Rough Nickel, Nickel Plated and Chrome Plated

Bent Tube "P" Trap. Wrought Brass Tubing, with Brass Elbow.

20 Gauge 11/4" No Cleanout

 Rough Nickel
 Nickel Plated
 Mirrow Chrome

 20-6200 R.N.
 20-6200 N.P.
 20-6200 C
 Less connection

 20-6202 R.N.
 20-6202 N.P.
 20-6202 C
 With Sink Strainer No. 4265 and Tail Piece No. 4271

 20-6203 R.N.
 20-6203 N.P.
 20-6203-C
 With No. 3650 P.O. Plug

17 Gauge 11/4" No Cleanout

Rough Nickel Nickel Plated Mirrow Chrome
17-6200 R.N. 17-6200 N.P. 17-6200-C Less connection
17-6202 R.N. 17-6202 N.P. 17-6202-C With Sink Strainer No. 4265 and Tail Piece No. 4272
17-6203 R.N. 17-6203 N.P. 17-6203-C With No. 3650 P.O. Plug

20 Gauge 11/2" No Cleanout

 Rough Nickel
 Nickel Plated
 Mirrow Chrome

 20-6205 R.N.
 20-6205 N.P.
 20-6205-C
 Less connection

 20-6206 R.N.
 20-6206 N.P.
 20-6206-C
 With Sink Strainer No. 4265 and Tail Piece No. 4277

 20-6207 R.N.
 20-6207 N.P.
 20-6207-C
 With No. 3650 P.O. Plug

17 Gauge 11/2" No Cleanout

Rough Nickel Nickel Plated Mirrow Chrome
17-6205 R.N. 17-6205 N.P. 17-6205-C Less connection
17-6206 R.N. 17-6206 N.P. 17-6206-C With Sink Strainer No. 4265 and Tail Piece No. 4278
17-6207 R.N. 17-6207 N.P. 17-6207-C With No. 3650 P.O. Plug

20 Gauge 2" No Cleanout

Rough-Nickel 20-6215 R.N.less connection.

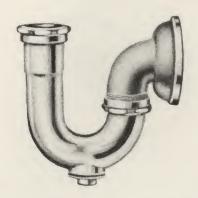
No. 3650 Cast Brass P.O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)







SINK TRAPS



Rough Nickel, Nickel Plated and Chrome Plated

Bent Tube "P" Trap. Wrought Brass Tubing, with Brass Elbow.

20 Gauge 11/4" With Cleanout

 Rough Nickel
 Nickel Plated
 Mirrow Chrome

 20-6208 R.N.
 20-6208 N.P.
 20-6208-C
 Less connection

 20-6209 R.N.
 20-6209 N.P.
 20-6209-C
 With Sink Strainer No. 4265 and Tail Piece No. 4271

 20-6210 R.N.
 20-6210 N.P.
 20-6210-C
 With No. 3650 P.O. Plug

17 Gauge 11/4" With Cleanout

Rough Nickel Nickel Plated 17-6208 R.N. 17-6208 N.P. 17-6209 R.N. 17-6209 N.P. 17-6210 R.N. 17-6210 N.P. 17-6

20 Gauge 11/2" With Cleanout

 Rough Nickel
 Nickel Plated
 Mirrow Chrome

 20-6211 R.N.
 20-6211 N.P.
 20-6211-C
 Less connection

 20-6212 R.N.
 20-6212 N.P.
 20-6212-C
 With Sink Strainer No. 4265 and Tail Piece No. 4277

 20-6213 R.N.
 20-6213 N.P.
 20-6213-C
 With No. 3650 P.O. Plug

17 Gauge 11/2" With Cleanout

Rough Nickel Nickel Plated 17-6211 R.N. 17-6211 N.P. 17-6212 R.N. 17-6212 N.P. 17-6213 R.N. 17-6213 N.P. 17-6213 N.P. 17-6213 N.P. Nickel Plated Mirrow Chrome 17-6211-C Less connection With Sink Strainer No. 4265 and Tail Piece No. 4278 With No. 3650 P.O. Plug

No. 3650 Cast Brass P. O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8 and 12" long. (See page 16.)







NEW YORK REGULATION TRAPS

Nickel Plated and Chrome Cast Brass



Cast Brass 11/2" With Cleanout

TAPPED 11/2" I.P.S. OUTLET

Nickel Plated Mirrow Chrome No. 6233-C No. 6235-C

No. 6233 N.P. No. 6235 N.P. No. 6236 N.P. No. 6236-C

Less Connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and No. 4271 (11/4")
or 4277 (11/2") Tail Piece

Cast Brass 2" With Cleanout

TAPPED 2" I.P.S. OUTLET

Nickel Plated No. 6246 N.P. No. 6248 N.P. No. 6249 N.P. Mirrow Chrome

No. 6246 -C No. 6248 -C No. 6249 -C

Less Connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and No. 4271 (11/4")
or 4277 (11/2") Tail Piece

BOSTON REGULATION TRAPS

Nickel Plated and Chrome Cast Brass



Cast Brass 11/2" With Cleanout

TAPPED 11/2" I.P.S. OUTLET

Nickel Plated No. 6250 N.P. No. 6251 N.P. No. 6252 N.P. Mirrow Chrome No. 6250-C No. 6251-C No. 6252-C

Less Connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and No. 4271 (11/4")
or 4277 (11/2") Tail Piece

Cast Brass 2" With Cleanout

TAPPED 2" I.P.S. OUTLET

Nickel Plated No. 6254 N.P. No. 6255 N.P. No. 6256 N.P. Mirrow Chrome

No. 6254-C No. 6255-C No. 6256-C

Less Connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and No. 4271 (11/4")
or 4277 (11/2") Tail Piece





ANTI-SYPHON "P" TRAPS

Centrifugal Pattern

12"
Center to End.



With Cast Body, Ground Joint, Cast Nuts, Bent Wall Tube, With Cleanout.

Deep Flange.

20 Gauge 11/4" With 5" Body

Nickel Plated 20-6300 N.P. 20-6302 N.P. 20-6303 N.P. 20-6303-C

20-6300-C Less Connection 20-6302-C With No. 3650 P.O. Plug 20-6303-C With No. 4265 Sink Strainer and

No. 4271 Tail Piece

17 Gauge 11/4" With 5" Body

Nickel Plated Mirrow Chrome 17-6300 N.P. 17-6300-C 17-6302 N.P. 17-6302-C 17-6303 N.P. 17-6303-C

Less Connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4272 Tail Piece

20 Gauge 11/2" With 5" Body

Nickel Plated 1 20-6305 N.P. 20-6307 N.P.

Mirrow Chrome 20-6305-C 20-6307-C 20-6308-C

Less Connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4277 Tail Piece

17 Gauge 11/2" With 5" Body

Nickel Plated 17-6305 N.P. 17-6307 N.P. 17-6308 N.P.

20-6308 N.P.

Mirrow Chrome 17-6305-C 17-6307-C

Less Connection With No. 3650 P.O. Plug

With No. 4265 Sink Strainer and

No. 4278 Tail Piece



No. 3650 Cast Brass P.O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





ANTI-SYPHON "P" TRAPS

Centrifugal Pattern

12" Center to End.



With Cast Body, Ground Joint, Cast Nuts, Bent Wall Tube, With Cleanout.

Deep Flange.

20 Gauge 11/4" With 6" Body

Nickel Plated Mirrow Chrome 20-6310 N.P. 20-6312 N.P. 20-6313 N.P. 20-6310-C

20-6312-C 20-6313-C Less Connection With No. 3650 P.O. Plug

With No. 4265 Sink Strainer and No. 4271 Tail Piece

17 Gauge 11/4" With 6" Body

Nickel Plated Mirrow Chrome 17-6310-C

17-6310 N.P. 17-6312 N.P. 17-6313 N.P. 17-6312-C 17-6313-C

Less Connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4272 Tail Piece

20 Gauge 11/2" With 6" Body

Nickel Plated Mirrow Chrome 20-6315 N.P. 20-6317 N.P. 20-6315-C

20-6317-C 20-6318 N.P. 20-6318-C Less Connection With No. 3650 P.O. Plug

With No. 4265 Sink Strainer and No. 4277 Tail Piece

17 Gauge 11/2" With 6" Body

Nickel Plated 17-6315 N.P. 17-6317 N.P. Mirrow Chrome 17-6315-C 17-6317-C

17-6318-C

Less Connection With No. 3650 P.O. Plug

With No. 4265 Sink Strainer and

No. 4278 Tail Piece



17-6318 N.P.

No. 3650 Cast Brass P.O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)



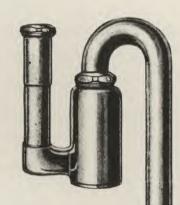


ANTI-SYPHON "S" TRAPS

Centrifugal Pattern

Cast Body, Ground Joint, Cast Nuts, Bent Floor Tube, With Cleanout. Deep Flange.

Regular Length-201/2 Inches.



20 Gauge 11/4" With 5" Body

Nickel Plated 20-6320 N.P. 20-6322 N.P.

Mirrow Chrome 20-6320-C

20-6323 N.P.

20-6322-C

Less Connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and No. 4271 Tail Piece

17 Gauge 11/4" With 5" Body

Nickel Plated 17-6320 N.P. 17-6322 N.P. 17-6323 N.P.

Mirrow Chrome

17-6320-C 17-6322-C 17-6323-C Less Connection With No. 3650 P.O. Plug

With No. 4265 Sink Strainer and No. 4272 Tail Piece

20 Gauge 11/2" With 5" Body

Nickel Plated 20-6324 N.P. 20-6326 N.P.

20-6327 N.P.

Mirrow Chrome 20-6324-C 20-6326-C

20-6327-C

Less Connection With No. 3650 P.O. Plug

With No. 4265 Sink Strainer and No. 4277 Tail Piece

17 Gauge 11/2" With 5" Body

Nickel Plated 17-6324 N.P. 17-6326 N.P.

Mirrow Chrome 17-6324-C 17-6326-C

Less Connection

With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4278 Tail Piece



No. 3650 Cast Brass P.O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sink with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





ANTI-SYPHON "S" TRAPS

Centrifugal Pattern

Cast Body, Ground Joint, Cast Nuts, Bent Floor Tube, with Cleanout. Deep Flange.

Regular Length-201/2 Inches.



20 Gauge 11/4" With 6" Body

Nickel Plated

Mirrow Chrome 20-6330-C

20-6330 N.P. 20-6332 N.P. 20-6333 N.P.

20-6332-C 20-6333-C Less Connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

17 Gauge 11/4" With 6" Body

Nickel Plated

17-6333 N.P.

Mirrow Chrome

17-6330 N.P. 17-6332 N.P.

17-6330-C 17-6332-C 17-6333-C

Less Connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4272 Tail Piece

20 Gauge 11/2" With 6" Body

Nickel Plated

20-6335 N.P. 20-6337 N.P. 20-6338 N.P.

Mirrow Chrome 20-6335-C 20-6337-C 20-6338-C

Less Connection With No. 3650 P.O. Plug With No. 4265 Sink Strainer and

No. 4277 Tail Piece

17 Gauge 11/2" With 6" Body

Nickel Plated

17-6335 N.P. 17-6337 N.P. 17-6338 N.P.

Mirrow Chrome 17-6335-C 17-6337-C 17-6338-C

Less Connection With No. 3650 P.O. Plug

With No. 4265 Sink Strainer and No. 4278 Tail Piece

No. 3650 Cast Brass P. O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4" 6" 8" and 12" long. gauge Tail Pieces 4", 6", 8 and 12" long. (See page 16.)



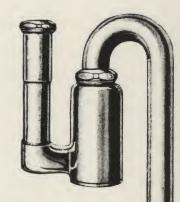




ANTI-SYPHON "S" TRAPS

EXTRA LONG—6" Longer Than Regular. Centrifugal Pattern

Cast Body, Ground Joint, Cast Nuts, Bent Floor Tube, With Cleanout. Deep Flange.



20 Gauge 11/4" With 5" Body

Nickel Plated L-20-6355 N.P. L-20-6357 N.P. L-20-6358 N.P. Mirrow Chrome L-20-6355-C L-20-6357-C L-20-6358-C

Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4271 Tail Piece

17 Gauge 11/4" With 5" Body

Nickel Plated L-17-6355 N.P. L-17-6357 N.P. L-17-6358 N.P. Mirrow Chrome L-17-6355-C L-17-6357-C L-17-6358-C

Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4272 Tail Piece

20 Gauge 11/2" With 5" Body

Nickel Plated L-20-6360 N.P. L-20-6362 N.P. L-20-6363 N.P. L-20-6363-C

L-20-6360-C Less connection L-20-6362-C With No. 3650 P.O. Plug L-20-6363-C With No. 4265 Sink Strainer and No. 4277 Tail Piece

17 Gauge $1\frac{1}{2}$ " With 5" Body

Nickel Plated L-17-6360 N.P. L-17-6362 N.P. L-17-6363 N.P. Mirrow Chrome L-17-6360-C L-17-6362-C L-17-6363-C

Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4278 Tail Piece



No. 3650 Cast Brass P.O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)



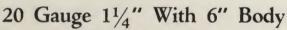


ANTI-SYPHON "S" TRAPS

EXTRA LONG-6" Longer Than Regular.

Centrifugal Pattern

Cast Body, Ground Joint, Cast Nuts. Bent Floor Tube, With Cleanout. Deep Flange.



Nickel Plated Mirrow Chrome L-20-6365 N.P. L-20-6367 N.P. L-20-6368 N.P. L-20-6365-C L-20-6367-C

L-20-6368-C

Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4271 Tail Piece

17 Gauge 11/4" With 6" Body

Nickel Plated L-17-6365 N.P. L-17-6367 N.P. L-17-6368 N.P.

Mirrow Chrome L-17-6365-C L-17-6367-C L-17-6368-C

Less connection Less connection
With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4272 Tail Piece

20 Gauge 11/2" With 6" Body

Nickel Plated L-20-6370 N.P. L-20-6372 N.P. L-20-6373 N.P. Mirrow Chrome L-20-6370-C L-20-6372-C L-20-6373-C

Less connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4277 Tail Piece

17 Gauge 11/2" With 6" Body

Nickel Plated L-17-6370 N.P. L-17-6372 N.P. L-17-6373 N.P.

Mirrow Chrome L-17-6370-C L-17-6372-C L-17-6373-C

Less connection With No. 3650 P.O. Plug
With No. 4265 Sink Strainer and
No. 4278 Tail Piece



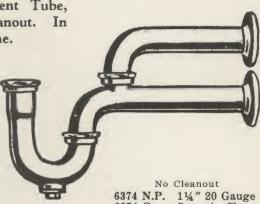
No. 3650 Cast Brass P.O. Plug 2¾" long, 1¼"-20 gauge Wrought Brass Tail Piece. Can be furnished 6", 8" and 12" long. (See page 9.) The No. 4265 Sink Strainer has 3" diameter flange for sinks with 2" to 2½" openings and can be furnished with 17 and 22 gauge Tail Pieces 4", 6", 8" and 12" long. (See page 16.)





Vented "P" Traps

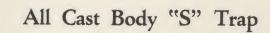
Adjustable Seamless Bent Tube, With and Without Cleanout. In Nickel Plate and Chrome.

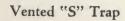


No Cleanout
6374 N.P. 1¼" 20 Gauge
6374-C Same in Chrome
6375 N.P. 1½" 20 Gauge
6375-C Same in Chrome

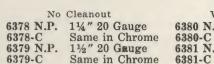
With Cleanout
6376 N.P. 1¼" 20 Gauge
6376-C Same in Chrome
6377 N.P. 1½" 20 Gauge
6377-C Same in Chrome

Vented "S" Trap





Adjustable Seamless Bent Tube, With and Without Cleanout.



With Cleanout
6380 N.P. 1¼" 20 Gauge
6380-C Same in Chrome
6381 N.P. 1½" 20 Gauge
6381-C Same in Chrome

All Cast Body "S" Trap

Kansas City Code

Ground Joint, Cast Ell with Floor Tube and Cleanout

Nickel Plated No. 6382 N.P. No. 6383 N.P. Mirrow Chrome Size and Gauge No. 6382-C14"—18 Gauge No. 6383-C1½"—18 Gauge

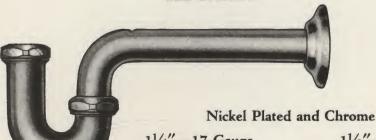




Adjustable

All Cast Body "P" Trap

Bent Wall Tube, Deep Flange. with Cleanout.



11/4"-17 Gauge

Nickel Plated Mirrow Chrome Nickel Plated Mirrow Chrome No. 6384 N.P. No. 6384-C

11/2"-17 Gauge

No. 6385 N.P. No. 6385-C

Adjustable All Cast Body "P" Trap

Cast Swivel Ground Joint Ell and Wall Tube. With Cleanout.



Nickel Plated and Chrome

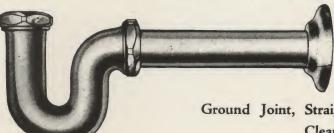
1½"-17 Gauge

No. 6386 N.P. No. 6386-C

No. 6387 N.P. No. 6387-C

Kansas City Code

All Cast Body "P" Trap



Ground Joint, Straight Wall Tube, with Cleanout.

Nickel Plated Mirrow Chrome Gauge No. 6388-C 1¼" No. 6389-C 1½" 18 Gauge 18 Gauge No. 6388 N.P. No. 6389 N.P.



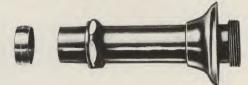


Special Code Traps

Milwaukee Code

Bent Tube Inlet, Tubing Outlet, Ground Joint and Cleanout.





Nickel Plated and Chrome

	Nickel Plated	Mirrow Chrome
1½"—11 Gauge 1¼"—17 Gauge	No. 6390 N.P. No. 6391 N.P. No. 6392 N.P. No. 6393 N.P.	No. 6390-C No. 6391-C No. 6392-C No. 6393-C



Los Angeles Code

All Cast Brass with Ground Joint I.P.S. Swivel Ell. No Cleanout.

Rough Nickel Plated Mirrow Chrome No. 6404 R.N. No. 6404 N.P. No. 6404-C No. 6405 R.N. No. 6405 N.P. No. 6405-C

When ordering 11/2" traps, specify 11/4" or 11/2" inlet nut. If not specified 11/4" nut will be furnished.



Fort Worth Code

All Cast Brass with Ground Joint I.P.S. Swivel Joint. With Cleanout.

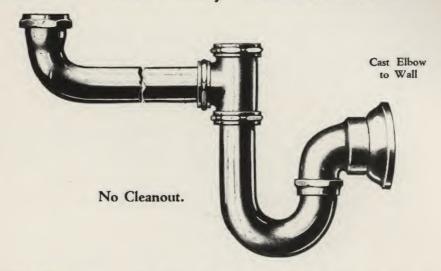
1¼"x1¼" I.P.S. Outlet No. 6406 R.N. No. 1½"x1½" I.P.S. Outlet No. 6407 R.N. No.

Rough Nickel Nickel Plated Mirrow Chrome No. 6406 R.N. No. 6406 N.P. No. 6406-C No. 6407 R.N. No. 6407 N.P. No. 6407-C



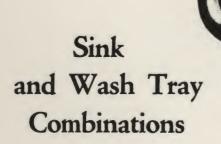


Sink and Wash Tray Combinations



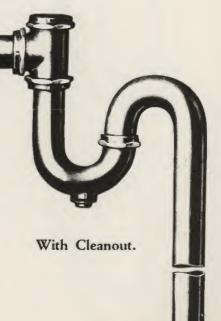
No. 6457 D.N. Dipped Nickel 1½" O.D., 20 gauge, no Cleanout. Combination consists of: 1½" Trap less Cleanout, 1½" x 1½" x 1½" Cast Brass Tee, 1½" Waste Bend (30" centers).

No. 6457-C Same as the above in Polished Chrome.



No. 6458 D.N. Dipped Nickel, 1½" O.D. 20 gauge with Cleanout. Combination consists of: 1½" Trap with Cleanout, 1½" x 1½" x 1½" Cast Brass Tee, and 1½" Waste Bend (30" centers).

No. 6458-C Same as the above in Polished Chrome.







Parts for Sink and Tray Waste Combinations

11/2" Wrought Straight Waste Tube Threaded Both Ends



20 Gauge Satin Nickel

No. 6459A -16%"

No. 6459B -24%"

No. 6459D -27%"

20 Gauge Nickel Plated

No. 6460A -16%"

No. 6460B -24%"

No. 6460D -27%'

20 Gauge Polished Chrome

No. 6461A -16 %"

No. 6461B -24%"

No. 6461D -27%"

1-1/2" Cast Brass Twin Ell



No. 6462 N.P.

Nickel Plated with 2" Tail Piece.

No. 6462-C

Same in Chrome.

No. 6463 N.P.

Nickel Plated with 11/2" Tail Piece.

No. 6463-C

Same in Chrome.

Cast Brass Tee Y



No. 6464 N.P. Nickel Plated, $1\frac{1}{2}$ " x 2", with 2" Tail Piece

No. 6464-C

Same in Chrome.

Cast Brass Tee



Cast Brass Elbow With Cleanout.



No. 6466 N.P. Nickel Plated, $1\frac{1}{2}$ " Slip Joint x $1\frac{1}{2}$ " Fine

Thread.

No. 6466-C

Same in Chrome.

Cast Brass Tee



No. 6467 N.P.

Nickel Plated. 1½" x 1½" Slip Joint x 1½" x 4" Tail Piece.

No. 6467-C

Same in Chrome.

No. 6465 N.P. Nickel Plated.

1½" x 1½" x 1½" x 1½" Slip Joint.

No. 6465-C

Same in Chrome.





Parts for Sink and Tray Waste Combinations



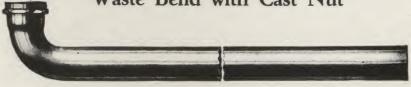
20 Gauge, 30" Center to Center

No. 6468 R.N.-11/2 O.D. Satin Nickel Finish

No. 6468 N.P.-11/2 O.D. Polished Nickel Finish

No. 6468-C -11/2 O.D. Polished Chrome Finish

1½" Wrought
Waste Bend with Cast Nut



All 20 Gauge

12" Long 18" Long 29" Long
No. 6469 R.N. No. 6469½ R.N. No. 6470 R.N.
No. 6469 N.P. No. 6469½ N.P. No. 6470 N.P.
No. 6469-C No. 6469½ C No. 6470-C

1½" Continuous Waste Extension with Cast Brass Tee



25" Center to End

No. 6471 R.N. 1½" 20 Gauge Tube—Rough Nickel No. 6471 N.P. 1½" 20 Gauge Tube—Nickel Plated No. 6471-C 1½" 20 Gauge Tube—Mirrow Chrome





Sink and Wash Tray Combinations

Combination 11/2" - 20 Gauge . with 11/2" Trap

This consists of

1\frac{1}{2}" Cast Brass New York Regulation Trap
1\frac{1}{2}" Cast Brass Tee with 1\frac{1}{2}" Tailpiece
1\frac{1}{2}" Waste Bend (30" centers)
Wrought Sink Strainer with 12" Tailpiece
Wrought Tray Plug with 4" Tailpiece
Wrought 1\frac{1}{2}" I.P.S. Flange



No. 6472 R.N. Rough Nickel Finish No. 6472 N.P. Nickel Plated Finish Chrome Plated Finish No. 6472-C

Combination 1½" - 20 Gauge with 2" Trap

Same as above but with a 2" Trap.

No. 6473 R.N., Rough Nickel, No. 6473 N.P., Nickel Plated, No. 6473-C, Chrome Plated

Combination 11/2" - 20 Gauge . with 11/2" Trap

This consists of

13/2" Cast Brass New York Regulation Trap
Cast Brass Twin Ell with 13/2" Tailpiece
13/2" Waste Bend 15" long
13/2" Waste Bend 12" long
Wrought Sink Strainer with 12" Tailpiece
Wrought Tray Plug with 4" Tailpiece
Wrought 13/2" I.P.S. Flange



No. 6474 R.N. Rough Nickel Finish No. 6474 N.P. Nickel Plated Finish No. 6474-C Chrome Plated Finish

Combination 11/2" - 20 Gauge with 2" Trap

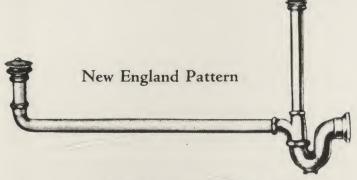
Same as above but with a 2" Trap.

No. 6475 R.N. Rough Nickel Finish No. 6475 N.P. Nickel Plated Finish No. 6475-C Chrome Plated Finish





Sink and Wash Tray Combinations



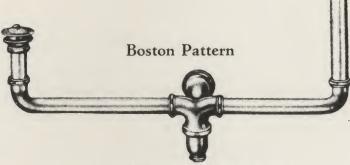
Combination 11/2" No. 20 B & S Ga.

This consists of

- -2" Cast Brass Trap with Swivel Tee
 -1½" No. 20 B & S Ga. Waste Bend (30" centers)
 Wrought Sink Strainer with 12" Tailpiece
 Wrought Tray Plug with 4" Tailpiece
 Wrought 2" I.P.S. Flange

No. 6476 R.N. Rough Nickel Finish No. 6476 N.P. Nickel Plated Finish

Chrome Plated Finish No. 6476-C



Combination 11/2" No. 20 B & S Ga.

This consists of

- This consists of

 2" Cast Brass Trap with Swivel Twin Ell

 1½" No. 20 B & S Ga. Waste Bend (15" long)

 1½" No. 20 B & S Ga. Waste Bend (12" long)

 Wrought Sink Strainer with 12" Tailpiece

 Wrought Tray Plug with 4" Tailpiece

 Wrought 2" I.P.S. Flange

No. 6477 R.N. Rough Nickel Finish

No. 6477 N.P. Nickel Plated Finish

No. 6477-C Chrome Plated Finish





Bath Waste and Overflow

For Semi-concealed Work

Size 13/8" O.D.—22 Gauge

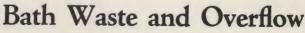
Patented Head, Adjustable to Fit Any Pitch of Tub.

Furnished with an adjustable Cast Tee Body threaded 1½" I.P.S. O.D. on outlet end and screwed in Tail Piece, Cast Top Elbow adjustable to any pitch tub, deep Cast Bottom Elbow, Heavy Wrought Top and Bottom Strainers, Deep Box Flange, Bead Chain, Rubber Stopper and Bevel Lead Slip Joint Washers.

No. 6478 N.P. Exposed Parts N.P., also Top Elbow and Over-Flow Tube. Other parts unfinished.

No. 6478-C Same in Chromium Plate.





For Concealed Work

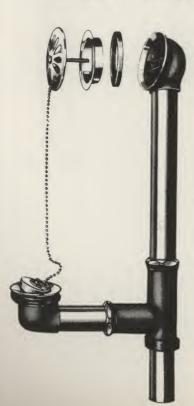
Size 13/8" O.D.—17 Gauge

Patented Head, Adjustable to Fit Any Pitch of Tub.

Furnished with an adjustable Cast Tee Body threaded 1½" I.P.S. O.D. on outlet end and screwed in Tail Piece, Cast Top Elbow adjustable to any pitch tub, Cast Bottom Elbow, Bevel Lead Slip Joint Washers, Heavy Wrought Top and Bottom Strainers, Bead Chain and Rubber Stopper.

No. 6479 N.P.—17 Gauge. Polished Nickel top and Bottom, Strainers and Chain. Other parts unfinished.

No. 6479-C-17 Gauge. Polished Chrome top and Bottom, Strainers and Chain. Other parts unfinished.







Connected Waste and Overflow For Open Work

Size 13/8" O.D.—22 Gauge

Patented Head, Adjustable to Fit Any Pitch of Tub.

Furnished with adjustable Cast Tee Body, Cast Top Elbow adjustable to any pitch tub, Cast Bottom Elbow, Heavy Wrought Top and Bottom Strainer, Saw Tooth Flange, Bead Chain and Rubber Stopper.

No. 6480 R.N. Castings and Tubes Satin Nickel Finish.

No. 6480 N.P. All Castings Satin Nickel, Tubes

Polished Nickel.

No. 6480-C All Castings Satin Chrome, Tubes

Polished Chrome.

Size 13/8" O.D.—17 Gauge

Patented Head, Adjustable to Fit Any Pitch of Tub.

Furnished with adjustable Cast Tee Body, Cast Top Elbow adjustable to any pitch tub, Cast Bottom Elbow, Heavy Wrought Top and Bottom Strainer, Saw Tooth Flange, Bead Chain and Rubber Stopper.

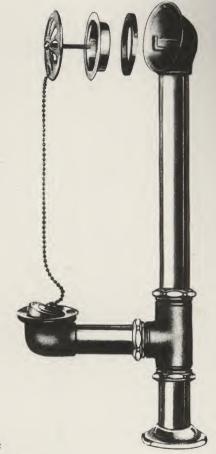
No. 6481 R.N. Castings and Tubes Satin Nickel Finish.

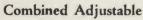
No. 6481 N.P. All Castings and Tubes Polished-

Nickel.

No. 6481-C All Castings and Tubes Polished

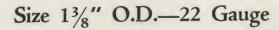
Chrome.





Waste and Overflow

with Trap



No. 6482 N.P.

Cast Top and Bottom Elbows, Cast Hexagon Nuts and Heavy Flanges. Provided with Adjustments to fit all tubs, and has deep water seal.

No. 6482-C

Same in Chrome finish.



Roughing-Adjustable to any tub dimension.





Basin Waste

Nickel Plated and Chrome Plated

1½" O.D. Tube 24" Long

No. Description
6483 N.P.—22 Gauge, Nickel
Plated, Less Plug.
6483-C —Same in Chrome.
6484 N.P.—22 Gauge, Nickel
Plated, WITH Plug.
6484-C —Same in Chrome.

1½" O.D. Tube 24" Long

No. Description
6485 N.P.—22 Gauge, Nickel
Plated, Less Plug.
6485-C —Same in Chrome.
6486 N.P.—22 Gauge, Nickel
Plated, WITH Plug.
6486-C —Same in Chrome.

Trap Offset

Nickel Plated and Chrome

Height 11½". Furnished with two (2) Cast Brass Nuts and Rubber Washers. Slip ends made 1½" Deep. Offset 7¾".

11/4" O.D.

No. Description
6487 N.P.—Nickel Plated.
6487-C —Same in Chrome.

1½" O.D.

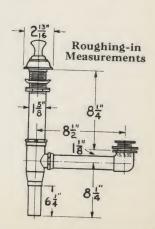
No. Description
6488 N.P.—Nickel Plated.
6488-C —Same in Chrome.



No. 6489-C

All Polished Chrome above the Lavatory, Satin Chrome below the Lavatory.



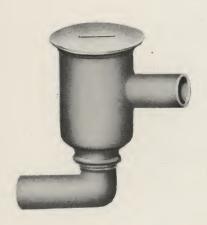




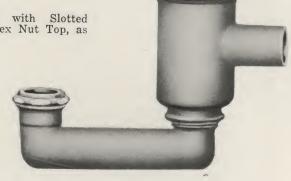


Cast Brass Bath Traps

Improved Pattern



Furnished with Slotted Top or Hex Nut Top, as desired.



With 4" Return Bend

No.	Inlet for	Outlet for
6490	1½" L.P.	1½" Lead Pipe
	- /2	1½" I.P. Male
6490B	1½" I.P. Female	1½" I.P. Femal

No.		Inlet for	Outlet for
	1½" 1½"	Tube Tube	Lead Pipe I.P. Male
6491B	11/2"	Tube	I.P. Female

With 6" Return Bend

No.	Inlet for	Outlet for
6491D	1½" Tube	1½" Lead Pipe
6491E	1½" Tube	1½" I.P. Male
6491F	1½" Tube	1½" I.P. Female

Cast Brass Bath Traps

17 Gauge Chrome Inlet Tube

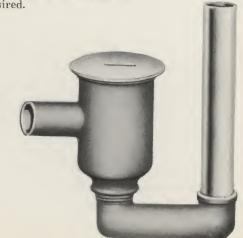
With 4" Return Bend

No.	Inlet Tube	Outlet for
6492	1%" O.D.	1½" Lead Pipe
6492A	1½" O.D.	1½" Lead Pipe
6492B	1%" O.D.	1½" I.P. Male
6492D	1½" O.D.	1½" I.P. Male
6492E 6492F	1%" O.D. 1½" O.D.	1½" I.P. Female 1½" I.P. Female

With 6" Return Bend

	WILL O	netuin	Dena	
No. 6492G 6492H	Inlet 1%" 1½"			Outlet for Lead Pipe Lead Pipe
6492J 6492K	1 3/8 " 1 1/2 "			I.P. Male I.P. Male
6492L 6492M	1 3/8 " 1 1/2 "			I.P. Female I.P. Female

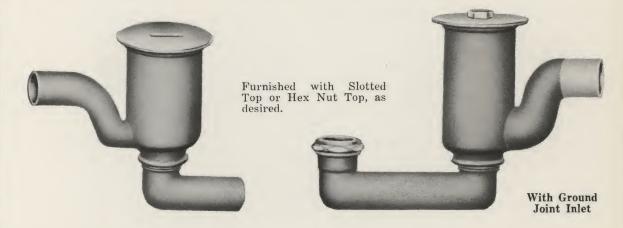
Furnished with Slotted Top or Hex Nut Top, as desired.







Cast Brass Bath Traps



No. Inlet for Outlet for 6493 1½" Lead Pipe 1½" Lead Pipe 6493A 1½" I.P. Male 1½" I.P. Male 6493B 1½" I.P. Female 1½" I.P. Female

With 4" Return Bend

No.	Inlet for	Outlet for
6494	1½" Tube	1½" Lead Pipe
6494A	1½" Tube	1½" I.P. Male
6494B	1½" Tube	1½" I.P. Female

With 6" Return Bend

No.	Inlet for	Outlet for	
6494D	11/2" Tube	1½" Lead Pipe	
6494E	1½" Tube	1½" I.P. Male	
6494F	11/2" Tube	1½" I.P. Female	

Cast Brass Bath Traps

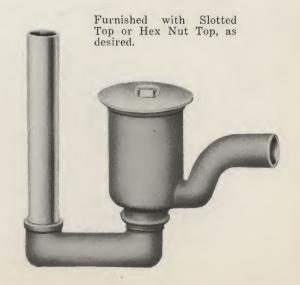
17 Gauge Chrome Inlet Tube

With 4" Return Bend

No. 6495 6495A	Inlet Tube 1%" O.D. 1½" O.D.	Outlet for 1½" Lead Pipe 1½" Lead Pipe
6495B 6495D	1¾" O.D. 1½" O.D.	1½" I.P. Male 1½" I.P. Male
6495E	1%" O.D.	1½" I.P. Femal

With 6" Return Bend

No. 6495G 6495H	Inlet Tube 1%" O.D. 1½" O.D.	11/2"	Outlet for Lead Pipe Lead Pipe
6495J 6495K	1%" O.D. 1½" O.D.		I.P. Male I.P. Male
6495 L 6495 M	1¾" O.D. 1½" O.D.		I.P. Female







Parts for Improved Cast Brass Bath Traps

Extension Sleeve with Lock Nut

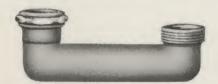


Fits all Bath Traps Shown. Threaded for Trap cover and threaded to enter top of trap.

No. 6496 3" long

Inlet Return Bend

With Ground Joint Brass Connection



 Extension Ring



Inlet Elbow

6497F



No. Center to End Threaded 1½" I.P.

Tubes for Cast Brass Bath Traps



*This trap tube is a special 1%" tube with bottom wedged. Threaded 1½" so that return bends tapped 1½" may be connected to 1%" waste and overflow tees.

17 Gauge Brass Chrome Plated

No.	Diameter	Length	Threaded
6500	1%"	8"	1%"-27
6500A		8"	$1\frac{1}{2}$ "—27
* 6500B	1 3/8 "	8"	$1\frac{1}{2}$ "—27

Cast Brass Bath Traps

With Visible Ground Joint Inlets



Female Outlet

No. 6501 Slip Joint Inlet 1½"

Tapped 1½" I.P.

Female Outlet—With Ground Joint Union

No. 6502 6502A Slip Joint Inlet
1½"
1%"

et Outlet 1½" I.P. 1½" I.P.





Brass Supply Pipes—Basin

One Piece Basin Supply Pipe Annealed Nickel Plated and Chrome

9/16" O.D.—16 Gauge

Annealed Seamless Brass $\frac{9}{16}$ " O.D., reduced at top to $\frac{7}{16}$ " and fitted at top with cone shaped rubber washer and brass friction ring for connection to Basin Cock. No Tail piece necessary. Furnished with Slip Joint nut, rubber washer and brass friction ring for Iron Pipe connection at Floor or Wall.

To Floor

No. 6504 N.P. $\frac{-9.7}{16}$ " O.D., 16 Gauge, 29" overall No. 6504-C —Same in Chrome finish

To Wall

No. 6506 N.P.—⁹ O.D., 16 Gauge, 10" from end of Basin connection to center of bend, and 6½" from center of bend to end of Wall connection.

No. 6506-C —Same in Chrome finish

3/8" I.P.—14 Gauge

One Piece Supply Pipes, Annealed Nickel Plated and Chrome

Annealed Seamless Brass %" I.P., reduced at top to $\frac{7}{16}$ " and fitted with cone shaped rubber washer and Brass friction ring for connection to Basin Cock. No Tail Piece necessary. Threaded at bottom for %" I.P. connection at Floor or Wall. Furnished with deep heavy flanges.

To Floor

No. 6508 N.P.—%" I.P.S., 14 Gauge, 29" overall No. 6508-C —Same in Chrome finish

To Wall

Wall Supplies measure 10" from end of Basin connection to center of bend and $6\frac{1}{2}$ " from center of bend to end of Wall Connection.

No. 6510 N.P.—%" I.P.S., 14 Gauge No. 6510-C —Same in Chrome finish









No. 6511

Brass Supply Pipes—Basin

Semi-Annealed

3/8" I. P.—12 Gauge and -14 Gauge

Semi-Annealed Seamless Brass % in. I.P. with % x ¼ in. Reducing Socket connection to Basin Cock. Threaded at end for % in. I.P. connection at Floor or Wall. Furnished with Extra Heavy Flanges.

To Floor

11 Gauge

No. 6511 N.P.—Full—%" I.P. Size and Weight—26\\(\frac{1}{2}\)" long. No. 6511-C —Same in Chrome.

No. 6511\(\frac{1}{2}\) N.P.—Full \(\frac{1}{8}\)" I.P. Size and Weight—30" long. No. 6511\(\frac{1}{2}\)-C —Same in chrome.

10.0

No. 6512 N.P.—Full %" I.P. Size—26½" long. No. 6512-C —Same in Chrome.

14 Gauge

No. 6514 N.P. —Full %" I.P. Size—26½" long.

No. 6514-C —Same in Chrome.

No. 6514

To Wall

Wall Supplies measure 9 in. from end of Basin connection to center of Bend and 7 in. from center of Bend to end of Wall connection.

No. 6515 N.P. —Full %" I.P. Size 14 Gauge, No. 6515-C —Same in Chrome.

3/8" I.P.—14 Gauge

Semi-Annealed Seamless Brass % in. I.P. with % x ¼ in. Reducing Socket connection to Basin Cock. Threaded at end for % in. I.P. connection at Floor or Wall. Fitted with Wheel Handle Compression Stop. Furnished with Extra Heavy Flanges.

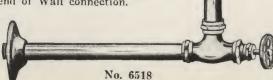
To Floor

No. 6516 N.P.—%" I.P., 14 Gauge—26½" long. No. 6516-C —Same in Chrome.

To Wall

Wall Supplies measure 9 in. from end of Basin connection to center of Bend and 7 in. from center of Bend to end of Wall connection.

No. 6518 N.P. _%" I.P., 14 Gauge No. 6518-C —Same in Chrome.



No. 6516





Brass Supply Pipes—Basin



Semi-Annealed

3/8" I.P.—14 Gauge

To Wall With Wheel Handle Compression Valve

Seamless Brass Tubing, Semi-annealed, $\frac{3}{3}\frac{1}{2}$ " O.D. The Basin end is reduced to $\frac{7}{16}$ " O.D. for 4" of the length. Basin Tube is 10" long. Wall tube is 6" long. Sold complete with beveled slip joint washer and brass friction ring for connection at Basin.

No. 6519 N.P.—¾" I.P.S., 14 Gauge No. 6519-C —Same in Chrome finish

Brass Supply Pipe—Closet Tank

Semi-Annealed

3/8" I.P.—14 Gauge

Semi-Annealed Seamless brass tubing %" I.P., Threaded at bottom for floor connection and having collar $\frac{13}{16}$ " diameter at top for connection with Ballcock. Supplied with deep heavy flanges.

No. 6530 N.P.—%" I.P.S., 14 gauge, 21" long No. 6530-C —Same in Chrome finish

Brass Supply Pipe—Closet Tank

Semi-Annealed

3/8" I.P.—14 Gauge

With Wheel Handle Compression Valve

Semi-Annealed Seamless brass tubing %" I.P., Threaded at bottom for floor connection and having collar $\frac{13}{16}$ " diameter at top for connection with Ballcock. Supplied with deep heavy flanges:

No. 6531 N.P.—%" I.P.S., 14 gauge, 21" overall No. 6531-C —Same in Chrome finish



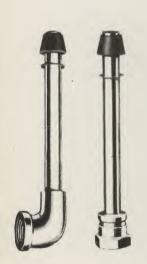


Handy Basin Supply Pipes

Satin Nickel and Satin Chrome

Special Brazed Brass Tubing, $\frac{7}{16}$ " O.D., fitted with Cone shaped rubber washer and Brass Friction ring for connection to Basin Cock. No Tail piece necessary.

ELBOW TYPE-7/16" O.D.



STRAIGHT TYPE—7/16" O.D.

No. 6536 S.N. 6536 S.C. 6536½ S.N. 6536½ S.N. 6537 S.N. 65377 S.C. 6537½ S.N. 6537½ S.N.	Finish Satin Nickel Satin Chrome Satin Nickel Satin Chrome Satin Nickel Satin Chrome Satin Nickel Satin Chrome	Tapped %%" I.P. %%" I.P. ½" I.P. ½" I.P. %%" I.P. ½" I.P. ½" I.P. ½" I.P.	Lengtr 5 in. 5 in. 5 in. 5 in. 8 in. 8 in. 8 in. 8 in.
------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------	--------------------------------------------------------

"S.N." signifies Satin Nickel, "S.C." signifies Satin Chrome (not polished).

Handy Basin Supply

Cast, One Piece

Cast Brass, one piece, supplied with Brass Friction Ring and Cone shaped rubber washer for connection to Basin Cock. Tested to 60 lbs. Air pressure under water.

No.	Finish	O.D.	Tapped	Length
	Satin Nickel Satin Nickel	$\frac{\frac{7}{16}}{\frac{7}{16}}$ "	%″ I.P. ½″ I.P.	5%" in. 5%" in.

"S.N." signifies Satin Nickel

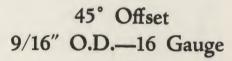






Brass Supply Pipes—Bath

Nickel or Chrome Plated



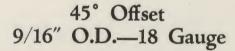
Double Bend

Annealed Seamless Brass Tubing, $\frac{9}{16}$ " O.D., Double Bend Offset with Special Cone shaped lead connection to Bath Faucet assembled to pipe.

Furnished with Coupling Nut, Slip Nut, Rubber Washer and Friction Ring. Slip Nut for ½" Iron Pipe connection at floor.

Furnished with extra heavy deep flanges.

No. 6550 N.P. $-\frac{n}{16}$ O.D., 16 Gauge, 45° Offset, 21½" long. No. 6550-C —Same in Chrome Finish.

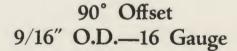


Double Bend

Annealed Seamless Brass Tubing, $\frac{9}{16}$ " O.D., Single Bend 45 Degree Offset with Special Cone shaped rubber connection to Bath Faucet assembled to pipe.

Furnished with Coupling Nut, Slip Nut, Rubber Washer and Friction Ring. Slip Nut for $\frac{1}{2}$ " Iron Pipe connection at floor. Furnished with extra heavy deep Flanges.

No. 6556 N.P. $-\frac{9}{16}$ O.D., 18 Gauge, 45° Offset, 21½" long. No. 6556-C —Same in Chrome Finish.

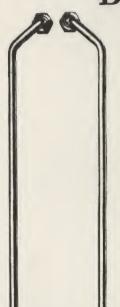


Single Bend

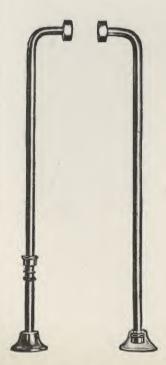
Annealed Seamless Brass Tubing, $\frac{9}{16}$ " O.D., Single Bend 90 Degree Offset with Special Brass Cone shaped connection to Bath Faucet assembled to pipe.

Furnished with Coupling Nut, Slip Nut, Rubber Washer and Friction Ring. Slip Nut for $\frac{1}{2}$ " Iron Pipe connection at floor. Furnished with extra heavy deep Flanges.

No. 6560 N.P. $-\frac{9}{16}$ " O.D., 16 Gauge, 90° Offset, $21\frac{1}{2}$ " long. No. 6560-C —Same in Chrome Finish.



No. 6550



No. 6560





Brass Supply Pipes—Bath

Nickel Plated and Chrome

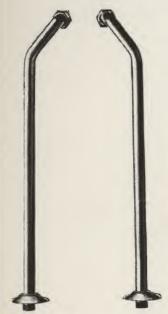
45° Offset 1/2" I.P.—14 Gauge

Double Bend

Made from ½" I.P. Annealed Seamless Brass. Finished Nickel Plated or Chrome Finish. Has double bend 45 Degree Offset, with special cone shaped Brass connection. These Supply Pipes are full ½" I.P. (¾2" O.D.), in 14 Gauge, and threaded for ½" I.P. connection

Furnished with Coupling Nut for connection to Bath Faucet, and extra deep heavy flanges.

No. 6570 N.P. -1/2" I.P., 14 Gauge, 45° Offset, 211/2" long. No. 6570-C —Same in Chrome Finish.



No. 6570

Threaded Both Ends

Brass-Nickel Plated and Chrome

3/8" and 1/2" I.P. Seamless Brass Semi-Annealed, with Heavy Flanges

No. 6572 N.P.—¾" I.P., 12 Gauge, 20½" long.
No. 6574 N.P.—½" I.P., Full I.P. Size and Weight, 20½" long.
No. 6575 N.P.—½" I.P., 12 Gauge, 20½" long.
No. 6576 N.P.—½" I.P., 12 Gauge, 22" long.
No. 6580 N.P.—½" I.P., 14 Gauge, 20½" long.
No. 6581 N.P.—½" I.P., Full I.P. Size and Weight, 24" long.

Use "C" after catalog number if wanted in Chrome.



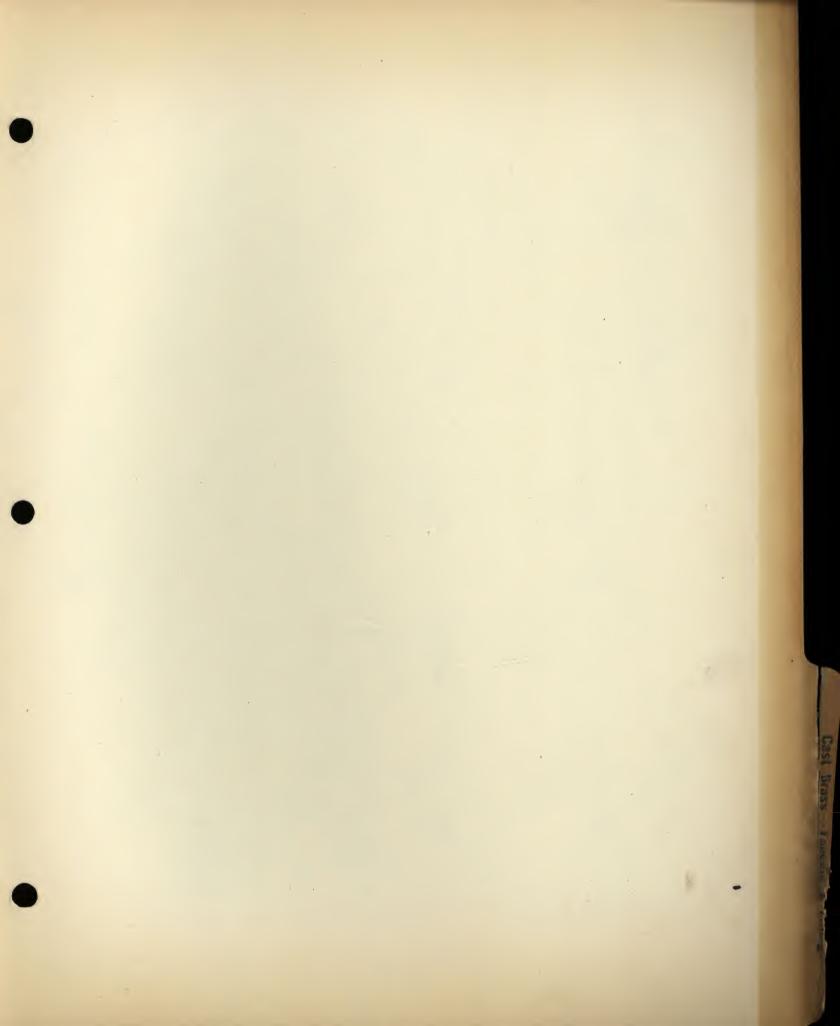
Bath Supply Pipes—With Stop

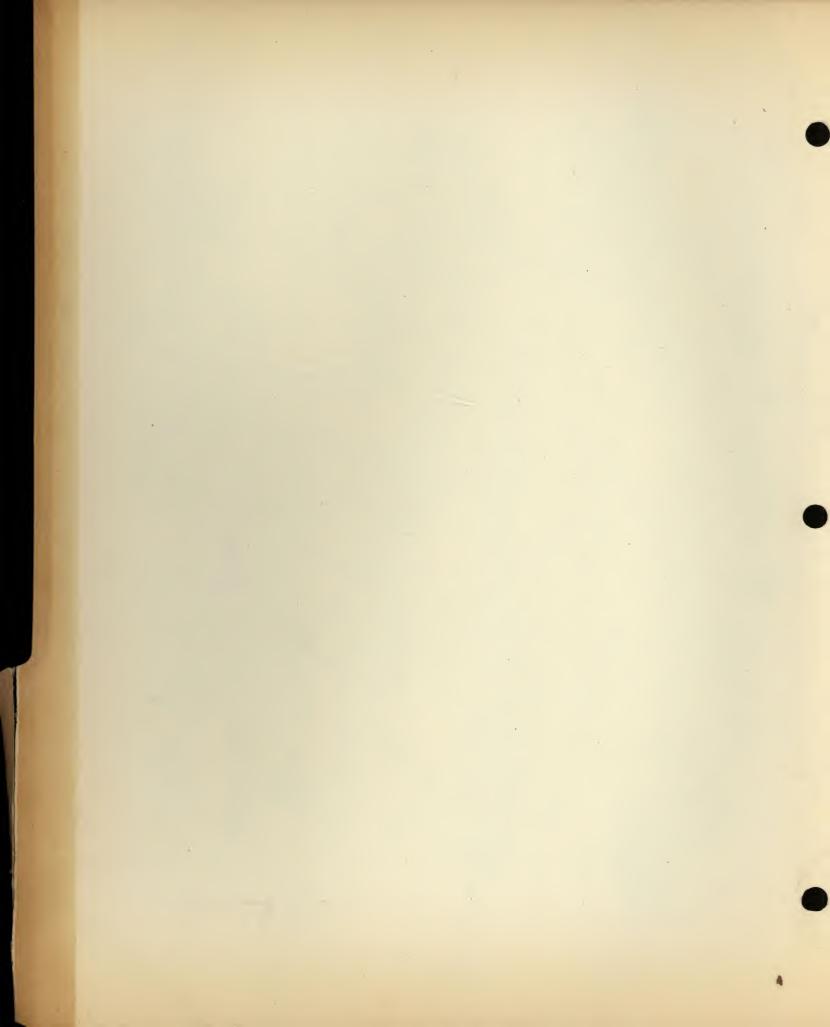
Brass-Nickel Plated and Chrome 1/2" I.P.—12 and 14 Gauge

Made from $\frac{1}{2}$ " I.P. Semi-Annealed Seamless Brass tubing. Threaded both ends $\frac{1}{2}$ " I.P., and equipped with Wheel Handle Compression stop.

No. 6583 N.P.— $\frac{1}{2}$ " I.P., 12 Gauge, $20\frac{1}{2}$ " long. No. 6585 N.P.— $\frac{1}{2}$ " I.P., 14 Gauge, $20\frac{1}{2}$ " long.

Use "C" after catalog number if wanted in Chrome.









Bath Faucets

Brass—Nickel Plated and Chrome Less Couplings

With Lever Handle Only



No. 6599

3%" Center to Center

Junior Pattern Front Handle Double Bath Faucet

A well made and finely finished small Bath Faucet, accurately machined and tested under air pressure.

LESS COUPLINGS

No. 6599 N.P.—Furnished with Lock Nuts, less Couplings. With Brass Lever Handles, No. 6515-C (See Page 3 this section.)

No. 6599-C—Same Faucet in Chrome Finish.

Top Handle Double Bath Faucet

Less Couplings

Top Handle Brass—Chrome Plated Nos. 6601-6604

A sturdy, well made Bath Faucet, tested under air pressure. Made from high grade metal, accurately machined and beautifully finished. Modern design.

LESS COUPLINGS

No. 6601-C—I'urnished with Lock Nuts, less Couplings. Extra heavy Brass Cross handle with Metal Button index. (See No. 6612-C Page 3 this section.)

No. 6602-C—Same with Brass Four Ball Handle, Metal Button Index. (See No. 6613-C Page 3 this section.)

Net a Button Hidex (See No. 6603-C—Same with Brass Lever Index Handle. (See No. 6615-C Page 3 this section.)
No. 6604-C—Same with Four Arm Metal Index Handle. (See No. 6614-C Page 3 this section.)



Nos. 6601-6604

3%" Center to Center

Important Notice:—For special bath tub drillings, other than the standard 3%", couplings can be furnished (see Page 3 this section) that will suit drillings in tub from 4" to 6%" center to center.





Non-Syphon Bath Faucets

Brass-Chrome Plated

Less Couplings



Junior Pattern Front Handle Double Bath Faucet

A well made and well finished small Bath Faucet, accurately machined and tested under air pressure. Nozzle clears rim of tub by approximately 1¼".

LESS COUPLINGS

No. 6605-C—With Lock Nuts, less Couplings, with Brass Lever Handles. (See No. 6615-C Page 3 this section.)

Top Handle Double Bath Faucet

No. 6606-C

A sturdy, well made Bath Faucet, tested under air pressure. Made from high grade metal and beautifully designed and finished. 3%" Center to Center.

LESS COUPLINGS

No. 6606-C-With Lock Nuts, less Couplings, with Brass Handles. Four Ball, Metal index. (See No. 6613 on Page 3 this section.)



No. 6606-C

3%" Center to Center

Important Notice:—For special bath tub drillings, other than the standard 3\%", couplings can be furnished (see Page 3 this section) that will suit drillings in tub from 4" to 6\\\2" center to center.





Bath Faucet Parts

-Couplings-



Bent I.P. Male Rough Nickel

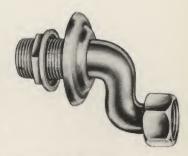
No. T 6607 5 6608 1

Threaded Finish Rough N.P. ½" I.P. Rough N.P.



Ball Offset Elbow Ground Joint

No. Tapped Finish 6609 %" I.P. Chrome 6610 ½" I.P. Chrome



Special Offset Coupling
-Chrome Plated-

No. 6611—For Bath Tub drillings other than 3%". Adjustable to fit drillings in tub from 4" to 6½" Center to Center.

Handles and Indexes

Chrome Plated



No. 6612-C—2¾" Brass Cross, Metal Button Handle. Chrome Plated.



No. 6613-C—2%" Four Ball Metal Button Handle. Chrome Plated.



No. 6614-C—25%" Brass Four Arm Metal Button Handle. Chrome Plated.



No. 6615-C—All Brass Lever Handle for Bath and Sink Faucets. Chrome Plated.



No. 6616-C—One Piece %" Metal Button for Nos. 6612 and 6614 Handles. Chrome Plated.

No. 6616A—One Piece ¾" Metal Button for No. 6613 Handle. Chrome Plated.



No. 6617-C—Index Ring for Holding Index Button on Nos. 6612 and 6614 Handles. Chrome Plated.

6617A—Index Ring for Holding Index Button on No. 6613 Handle. Chrome Plated.



No. 6618-C — %" Threaded Metal Index Cap, Marked H or C. Chrome Plated. For Handles Nos. 6612 and 6614.

No. 6618A—¾" Threaded Metal Index Cap, Marked H or C. Chrome Plated. For Handle No. 6613.





Compression Faucets

- Plain -

Red Metal-Rough, Polished and Plated

I.P. Threads



Male I.P. Thread

No.	Size	Finish
6623	1/2"	Rough
6628	1/2 "	Polished
6628 R.N.	1/2"	Rough Nicke
6630	1/2 "	N.P.
6630-C	1/2"	Chrome
6632	5/4"	Polished



Adjustable Screw Flange Male I.P. Thread

No.	Size	Finish
6639	1/2 "	N.P.
6639-C	1/2"	Chrome



Adjustable Screw Flange Male I.P. Thread

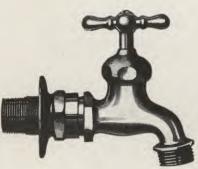
No.	Size	Finish
6640	1/2"	N.P.
6640-C	1/2 "	Chrome

Compression Faucets with Hose Connection



Male I.P. Thread

No.	Size	Finish
H-6624	1/2"	Rough
H-6625	5/8 "	Rough
H-6629	1/2"	Polished
H-6629 R.N.	1/2"	Rough Nickel
H-6631	1/2 "	N.P.
H-6631-C	1/2 "	Chrome
H-6633	5/8"	Polished



Adjustable Screw Flange Male I.P. Thread

No.	Size	Finish
H-6639	1/2"	N.P.
Н-6639-С	1/2 "	Chrome



Adjustable Screw Flange Male I.P. Thread

No.	Size	Finish
H-6640	1/2 "	N.P.
H-6640-C	1/9"	Chrome





Compression Faucets

— Plain —
Brass—Nickel Plated and Chrome
I.P. Threads



Adjustable Screw Flange Male I.P. Thread

No. 6641 6641-C Size Finish
1/2" N.P.
1/2" Chrome



Female Flange I.P. Thread

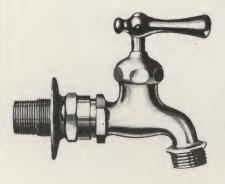
No. 6642 6642-C Size Finish ½" N.P. ½" Chrome



Female Flange I.P. Thread

No. 6643 6643-C Size Finish
1/2" N.P.
1/2" Chrome

Compression Faucets with Hose Connection



Adjustable Screw Flange Male I.P. Thread

No. H-6641 H-6641-C Size Finish 1/2" N.P. 1/2" Chrome



Female Flange I.P. Thread

No. H-6642 H-6642-C

Size Finish
½" N.P.
½" Chrome



Female Flange I.P. Thread

No. H-6643 H-6643-C Size Finish
½" N.P.
½" Chrome





Self-Closing Faucets

Ball Bearing



- All These Faucets Have:-
- (1) Bronze Renewable Seats.
- (2) Phosphor Bronze Spring.(3) Bronze Ball Bearings.
- (4) Anti-Splash Rib in Spout.



No. 6645

Four Ball Handle, with Metal Index. Samson Lock for quick handle adjustment.

No. 6648

Brass Lever Handle, with Metal Index. Samson Lock for quick handle adjustment.



No. 6646

Four Ball Handle, with Metal Index. Adjustable Threaded Flange. Samson Lock for quick handle adjustment.



No. 6649

Brass Lever Handle, with Metal Index. Adjustable Thread Flange. Samson Lock for quick handle adjustment.



No. 6647

Four Ball Handle, with Metal Index. Female Flange. Samson Lock for quick handle adjustment.



No. 6650

Brass Lever Handle, with Metal Index. Female Flange. Samson Lock for quick handle adjustment.

The "Samson" Lock is the most positive, as well as the quickest and easiest device known to adjust the handle to the wearing of the washer, and to keep a self-closing faucet in good operating condition.



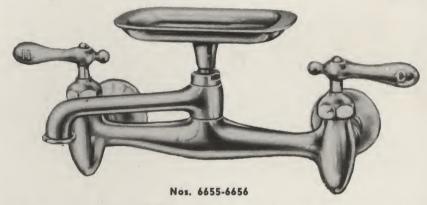


Compression

Double Sink Faucet

Wanco Pattern

Brass-Chrome Plated



Eccentric inlet connection, adjustable 7¾ to 8¼" center to center. Stream regulator inserted inside of nozzle. Brass removable soap dish, Chrome Plated. Beaver Tail brass lever handles, Chrome Plated. Chrome removable seats. Made of high grade red metal and beautifully designed and finished. A high quality sink faucet throughout.

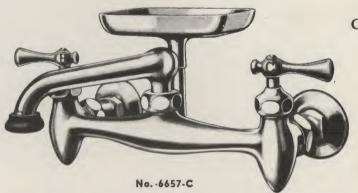
M-6655-C With 4½" Top Swing Nozzle, flanged male, adjustable.

H-6655-C Same as M-6655-C only with Hose Connection.

F-6656-C - With 4½" Top Swing Nozzle, flanged female, H-6656-C Same as F-6655-C only with Hose Connection.

Either male or female can be supplied with 71/2" or 9" Nozzle by adding 71/2 or 9 to above Number.

Double Sink Faucet



Brass-Chrome Plated

Complete with safety stream regulator. All Brass lever handles, Chrome Plated. All Brass Chromium Plated soap dish. Made of high grade red metal and beautifully designed and finished throughout. adjustable 7% to 81%" center to center.

M-6657-C With 4½" Top Swing Nozzle, flanged male, adjustable.

adjustable.

F-6657-C With 4½" Top Swing Nozzle, flanged female,

Either male or female can be supplied with 7½" or 9" Nozzle by adding 7½ or 9 to above Number.

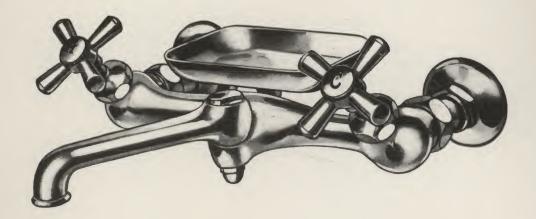




Compression

Double Sink Faucet

Brass-Chrome Plated



No. 6658-C Brass—Chrome Plated

Full Easy Natural Grip because of the new handle angle. It meets the user half way. It is new, smart and stylish. Made of high quality red metal, heavy chromium plate highly polished, with Four Arm all brass, Chrome index handles as illustrated.

Eccentric Inlet Connection adjustable 7¾" to 8¼" Center to Center. Removable seats. Furnished with Safety Stream Regulators and 4½" Swing Nozzle. Removable Soap Dish.

M-6658-C — Adjustable Screw Flange Male I.P.

F-6658-C — Flanged Female I.P.

Double Pantry Faucet



No. 6659-C

Brass-Chrome Plated

Inlet connections 8" Center to Center. Complete with Safety Stream regulator. Made of high quality red metal, beautifully designed and finished. Brass Lever handles and Soap Dish.

M-6659-C — Adjustable Screw Flange Male I.P. F-6659-C — Flanged Female I.P.





Lavatory Faucets

Chrome Plated

These faucets are made from the finest grade of red metal, accurately machined and have clean sharp threads. In other words the material, and the workmanship that goes into these faucets is the best

optainable. They are beautifully designed with smooth flowing lines and the highly polished Chrome Plating leaves nothing to be desired.

All Shanks are 21/4" long.

¼" Male I.P. Tail Piece. 3 1/8" Center of Body to Center of Spout.

No. 6663-FA

Description 25%" Four Arm, Chrome Index handle.



HIGH NOZZLE **FAUCET**

Nozzle 11/8" above Lavatory slab. Meets Code requirements. Removes all possibilities of back syphonage.

> ¼" Male I.P. Tail Piece. 31/2" Center of Body to Center of Spout.

No. 6664-FB

Description 25%" Four Ball, Chrome Index handle. 25%" Four Arm, Chrome Index

handle. 6664-CL

6664-FA

Chrome Lever (Brass) Index handle.

All three faucets SUPPLIED WITH TAIL PIECES unless otherwise specified.

All three faucets

FURNISHED IN POLISHED CHROME ONLY ¼" Male I.P. Tail Piece. 3½" Center of Body to Center of Spout.

No. 6666-HC

6666-FB

6666-FA

Description 2%" Heavy Cross Arm, Chrome Index handle.
2%" Four Ball, Chrome Index

handle. 3" Four Arm, Chrome Index handle.

"HC" or Heavy Cross Handle, Chrome Index.



No. 6612-C

"FB" or Four Ball Handle, Chrome Index.



No. 6613-C

"FA" or Four Arm Handle, Chrome Index.



No. 6614-C.

"CL" or Chrome Lever Handle,



No. 6615-C

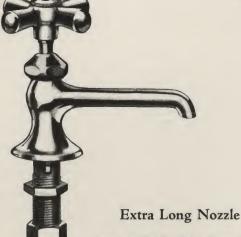




Compression

Lavatory Faucets

Chrome Plated Only



No. 6667-FA—25%" Four Arm Chrome Index handle. The nozzle is 4½" center of body to center of outlet. ½" Male I.P. Tail Piece. Supplied with regular 2½" shank. Except for length of spout is the same as No. 6664-FA.



Extra Long Shank

Arm Chrome Index handle. The shank on this faucet is 3½" long instead of 2¼". ¼" Male I.P. Tail Piece. Except for length of shank it is the same as No. 6664-FA.

6668-FA

Compression

No. 6667-FA

Side Arm Lavatory Faucet

Made for right or left hand. Brass Lever handles only.

No. 6669-C—Brass Chrome plated Lever handled, indexed. Width of flange fitting to basin is $2\frac{1}{16}$ ". Length of spout $3\frac{1}{2}$ " center of inlet to center of outlet. Height of spout above basin slab $1\frac{1}{2}$ " meeting all Code requirements. This eliminates all chance of back syphonage. Supplied with regular $2\frac{1}{2}$ " shank. $\frac{1}{2}$ " Male I.P. Tail Piece.

Note:—Be sure to specify Right or Left hand and whether Hot or Cold.

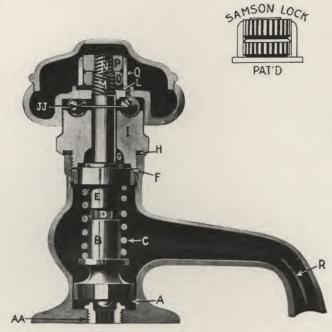


No. 6669-C

(Illustration Shows Right Hand Pattern)







Ball Bearing
Self Closing
Faucets

With Renewable Seats

- AA-Bronze renewable seat.
 - A—Rubber seat washer encased in stem on which, at this point, four pronged extensions fitting in body insure perfect alignment of stem.
 - B-Stem.
 - C-Phosphor bronze spring.
 - D-Flat face on stem to accommodate gland bushing.
 - E-Gland bushing.
 - F—Prongs on gland bushing that fit into incline, making stem non-rotating and preventing grinding of seat washer on seat.
 - G—Packing in conical recess in incline preventing leakage through stem.

- H—Hard fibre washer embedded in incline and making joint with body. White lead not required so that joint is easily broken for seat washer replacement.
- I—Incline.
- J-Bronze ball bearings.
- JJ-Ball retainer.
- R-Anti-splash rib in spout.

"SAMSON" PATENTED HANDLE LOCK

- M-Section of stem with left hand thread.
- N-Section of stem with right hand thread.
- O-Geared nut with left hand thread.
- P-Geared nut with right hand thread.
- Q-Geared sleeve.

THESE SELF CLOSING FAUCETS MEET CODE REQUIREMENTS. THE HIGH SPOUTS PREVENT ANY CHANCE OF BACK SYPHONAGE.



No. 6670

Four Ball Handle, metal index. 34" spout. Samson Lock for quick handle adjustment. Renewable seats.



No. 6671

Brass Lever Handle, metal index. 3¼" spout. Samson Lock for quick handle adjustment. Renewable seats.



No. 6671A

Crown Handle with metal index. 3¼" spout. Samson Lock for quick handle adjustment. Renewable seats.



Straight

Pattern

Woodward Wanger Co.



Compression

Lavatory Stops

Nickel Plated

and

Chrome

Wheel Handles

Stuffing Boxes



Angle Pattern

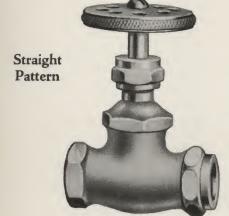
Tapped Iron Pipe Thread

No.	6672 N.	P								. Size	3/8"	I.P.
No.	6672-C					٠		٠		. Size	3/8"	I.P.
No.	6673 N.I	P								. Size	1/2"	I.P.

......Size ½" I.P.

Tapped Iron Pipe Thread

No.	6674 N.P									Size	3/8"	I.P.
	6674-C											
	6675 N.P	٠.			٠					Size	1/2"	I.P.
No	4475-C									Cino	1/11	TD



Slip Joint One End

	1 3	
No.	Size I.P.	To Slip
6676 N.P.	3/8"	$\frac{3}{6}$ " I.P. $(\frac{11}{16}$ " Tube)
6676-C	3/8 " 3/8 "	%" I.P. (\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
66761/2 N.	P. ½"	7" O.D. 16" O.D. 16" O.D. 16" O.D. 16" O.D. 16" O.D. 12" I.P.
66761/2-C	1/2 "	$\frac{7}{16}$ " O.D.
6677 N.P.	1/2 "	$\frac{9}{16}$ " O.D.
6677-C	1/2 "	$\frac{9}{16}$ " O.D.
66771/2 N.	P. ½"	½" I.P.
66771/2-C	1/2"	½" 1.P.
6678 N.P.	1/2 "	3/8" I.P.
6678-C	1/2 "	3%" I.P.

Nickel Plated and Chrome

Wheel Handles

Stuffing Boxes



Angle Pattern

Slip Joint One End

	1 0				
No.	Size I.P.		To	Slip	
6679 N.P.	3/8 "	3/8"	I.P.	(11"	Tube)
6679-C	38" 38" 1/2" 1/2" 1/2" 1/2"	3/8"	I.P.	(11"	Tube)
66791/2 N.P	. 1/2"		7 "	0 D	
66791/2-C	1/2"		7 00	O.D.	
6680 N.P.	1/2"		9 11	O.D.	
6680-C	1/2"		9"	O.D.	
66801/2 N.P.	1/2"		1/2"	O.D. O.D. O.D. I.P.	
66801/2-C	1/2"		1/2"	I.P.	
6681 N.P.	1/2"		3/2"	I.P.	
6681-C	1/2" 1/2" 1/2"			I.P.	





Compression

Lavatory Valves

KEY TYPE



Straight Pattern with Loose Key

Nickel Plated and Chrome

Loose Key

Stuffing Boxes



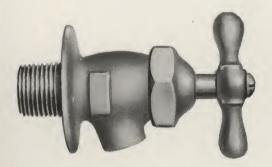
Angle Pattern with Loose Key

No.	6682 N.P.					 ٠					٠	3/8"
	6682-C											
No.	66821/2 N.F											1/2"
No.	66821/2-C											1/2"

No.	6683	N.P.										3/8"
No.	6683	C										3/8"
No.	6683	/2 N.P							٠			1/2"
No.	6683	1/2-C										1/2"

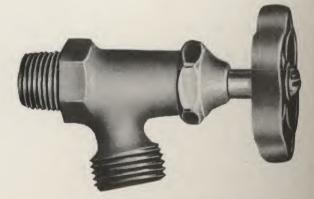
Wash Tray Faucets

WHITE PLATED



Compression—White Plated Wash Tray Faucets

Wit	h and	W	i	tŀ	1(οι	ıt	t	I	I	0	S	e	C	0	n	ır	16	90	t	i	on	
No.	6684-H	1																		٠		1/2	"
No.	6684																					1/2	"
No.	6685-H	1												٠								3/4	81
No.	6685					٠																3/4	97



Sediment Faucet—Boiler Drain Wheel Handle

No.	6686	٠	۰	٠									1/2	97	
No.	66861/2												3/4	97	

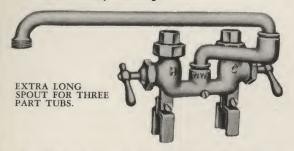




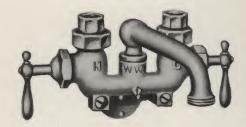
Double Laundry Tray Faucets

With Drain Outlet Brass — Rough Nickel Finish

With Tray Clamps



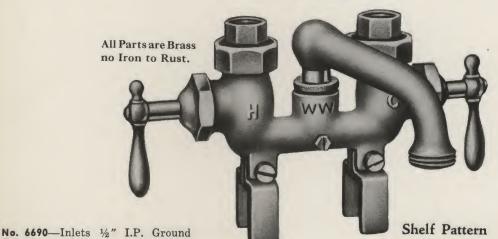
No. 6687—Inlets ½" I.P. Ground Joint Brass Unions, measuring 3%" Center to Center. 3" Clearance between tray clamps. Length of double spout, when fully extended is 16" long. With Brass Lever handle. With Wall Bracket



No. 6688—Inlets ½" I.P. Ground Joint Brass Unions, measuring 3¾" Center to Center. Inlets are 2" Center to wall. Brass Lever handles. Length of spout 4½".

No. 6688-A-Same with 71/2" Spout.

With Tray Clamps



Joint Brass Unions, measuring 3%"
Center to Center. Tray clamps have 3" clearance between them. Length of spout 4½" Brass Lever handles.

No. 6690-A-Same with 71/2" Spout.

Soap Dish — Cast Aluminum



No. 6691—Will hold largest cake of Laundry Soap. Clamps on pipe above the Union. Furnished with drip holes.



No. 6692—Inlets ½" I.P., Ground Joint Brass Unions, measuring 3%" Center to Center. Brass Lever handle. With 6" Spout. The Spout is 3¼" above the top of tray.





Compression Stops

Red Brass-Rustproof Iron Wheel Handles



With Stuffing box

No.											Si	ze
6694											3/8"	I.P.
6694A											1/2"	I.P.
6694B											3/4"	I.P.
6694D												TP



With Union and Stuffing Box

No.											Size
6695											½" I.P.
6695A											¾" I.P.

Angle Pattern

Large Waterway — With Stuffing box

No.														Si	ze
6696				٠										3/8"	I.P.
6696A										į		۰		1/2"	I.P.
LAGAR														3/. "	IP





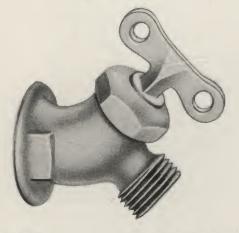


Lawn Faucets

- Brass -

Improved Angle Pattern, permits quick and easy attachment of hose. Full size waterway, quick opening.

Loose Key Brass Handle Rough Nickel Plate



No. 6697A......%" I.P. and %4" Hose No. 6697A.......%4" I.P. and %4" Hose

Loose Brass Wheel Handle Rough Nickel Plate



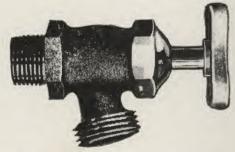
Garden Hose Faucet Iron Wheel Handle, Sheridized



Two Piece Body Provides for Replacement of Washer

No. 6700 34" I.P. and 34" Hose

Lawn Faucet, Junior Pattern Iron Wheel Handle, Sheridized



No. 6701½" I.P. and ¾" Hose No. 6702¾" I.P. and ¾" Hose

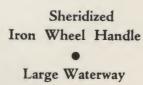


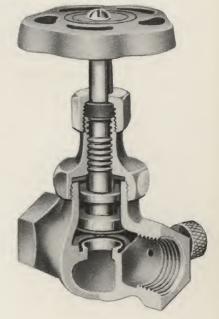


Compression

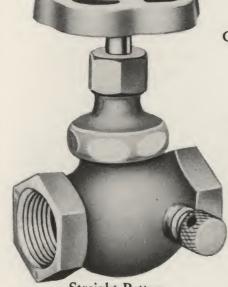
Stops and Drains

Red Brass With Compression Waste Cap





(Sectional View)



Straight Pattern with Stuffing Box

No.	6705	-SB		٠								. 1/2 "
No.	6706	-SB										. 3/4 "
No.	6707	-SR										1"



Angle Pattern with Stuffing Box

No.	6708	٠									٠					1/2"
No.	6709						۰	6	٠			٠				3/4 "
No.	6710															1"



Straight Pattern with Stuffing Box and Brass Ground Joint Union

No.	6711					٠						1/2	"
No.	6711-A							٠				3/4	"
	6711-B												





Ground Key

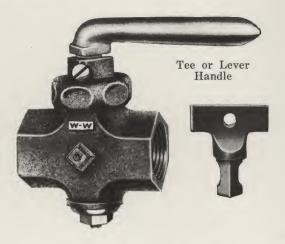
Stops and Stops and Drains

Straight Way Pattern



Stop for Iron Pipe

Specify Tee or Lever Handle



Stop and Drain for Iron Pipe

Specify Tee or Lever Handle



Automatic Stop and Drain

The Automatic Compression Stop and Drain shown herewith is recommended to the trade as an entirely satisfactory article when a Stop and Drain of the Automatic type is desired.

The construction assures the rapid CLOSING of the waste when opening the Stop and the like rapid OPENING of the waste when closing the Stop to drain water in the return piping.

WHEEL HANDLE

No.	Size
No. 6717	 3/4 in.







Nos. 6718-6721

Globe Valves

GROUND SEAT OR WASHER DISC

Made from special composition Valve Metal.

Angle Pattern

With Ground	With Washer	
Seat	Disc	
No.	No.	Size
6718	6718-W	3/8 in.
6719	6719-W	1/2 in.
6720	6720-W	3/4 in.
6721	6721-W	

Globe Valves

GROUND SEAT OR WASHER DISC

Straight Pattern



Willia Oround	AA TITTE AA GOTTET	
Seat	Disc	
No.	No.	Size
6725	6725-W	3/8 in.
6726	6726-W	$1/_{2}$ in.
6727	6727-W	3/4 in.
6728	6728-W	in.



Nos. 6725-6728

Gate Valves

For Steam Pressure Up to 100 Lbs., and Water Pressure Up to 135 Lbs.

Gland in Stuffing Box

Can be repacked under pressure if valve is wide open.





Handles

Brass Key Handle Rough Nickel Finish



For Lavatory Stops and Lawn Faucets

No. 6746 For Lavatory Stops .. %"
No. 6747 For Lawn Faucets ... %"

Brass Wheel Handle Polished Chrome Finish



For Lavatory Valves and Compression Stops

Brass Wheel Handle Rough Nickel Finish



For Lawn Faucets

No. 6749Rough Nickel

Sheridized Iron Wheel Handle for Rough Compression Stops and Stops and Drains



No. 6750—Specify size for which it is to be used.

Tee Handle for Stops and Drains Japanned Finish



No. 6751Japanned

Nos. 6752-6753

Faucet Handle Screws-Brass

		0 0110110	171400
No.	Finish	Length	Threaded
6752	Polished	½ in.	9-32
6753	Chrome	½ in.	9-32

Polished Brass Tee Handle for Compression Faucets



No. 6755Polished Brass

Set Screws-Brass

Chrome Plated, for Faucet Handles

> Rough Nickel Brass Lever Handle for Laundry Faucets



No. 6756Rough Nickel





Waste and Vent Tees

CAST BRASS

Visible Ground Joint Connection on Side



Nos. 6760-6763

No.	Waste For	Vent Tapped For	Slip Joint For
6760	11/4 in. L. P.	11/4 in. I. P.	11/4 in. Tube
6761	11/4 in. L. P.	11/4 in. I. P.	11/2 in. Tube
6762	11/2 in. L. P.	11/2 in. I. P.	11/4 in. Tube
6763	11/2 in. L. P.	11/2 in. I. P.	11/2 in. Tube

Iron Pipe Thread on Side



Iron Pipe Thread on Side



Nos. 6780-6783

No.	Waste For	Vent To Caulk	Side Tapped For
6780	11/4 in. L. P.	11/4 in. I. P.	11/4 in. I. P.
6781	11/4 in. L. P.	11/4 in. I. P.	11/2 in. I. P.
6782	11/2 in. L. P.	11/2 in. I. P.	11/4 in. I. P.
6783	11/2 in. L. P.	11/2 in. I. P.	11/2 in. I. P.

Fine Thread on Side

	Waste	Vent	Side .
No.	Tapped For	Tapped For	Tapped For
6784	11/4 in. I. P.	11/4 in. I. P.	11/4 in. F. T.
6785	11/2 in. I. P.	11/2 in. I. P.	11/2 in. F. T.



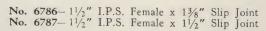
Nos. 6784-6785

FOR LEAD PIPE

Waste Elbows



Iron Pipe



Lead Pipe

No. 6788— 11/4" Lead Pipe x 11/4" Slip Joint No. 6789— 11/2" Lead Pipe x 11/2" Slip Joint







Soldering Nipples

Red Metal





MALE	
6893 6894	1/2 in.
6894	3/4 in.
6895	l in.
6896	11/4 in.
6897	11/2 in.



FEMALE

6901 6902							,					٠			1/	2	in.
6902															3	4	in.

Ground Joint Union Coupling

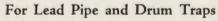
- Brass -



No.													F	or			
6904										.1	1/2	79	L.P.	X	11/2"	I.P.	Male
6905						 				. 1	1/2	"	L.P.	X	11/2"	I.P.	Female

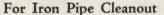
Trap Screws

- Cast Brass -





No.	Size	Finish
6906	1"	Machined
6907	4"	Machined





Tapped 1½" I.P.
Diameter of flange 3 1/16"

Finish Chrome

See Bath Traps on Pages 28 and 29 in our Traps and Tubular Goods section.





Brass Fittings



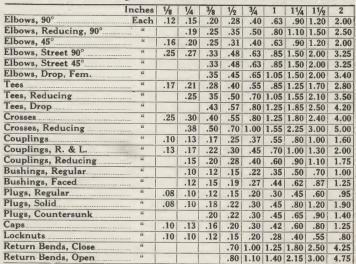






Rough Brass

Tested for a Working Pressure of 125 lbs. Steam and 150 lbs. Water





Nickel Plated

Tested for a Working Pressure of 125 lbs. Steam and 150 lbs. Water

Inches	1/8	1/4	3/8	1/2	3/4	1	11/4	11/2	2
Each	.36	.42	.53	.65	.87	1.25	1.75	2.25	3.35
		.52	.65	.82	1.10	1.60	2.15	2.85	4.15
	.45	.53	.65	.78	1.00	1.43	1.95	2.55	3.65
4	.54	.60	.73	.95	1.23	1.65	2.55	3.35	4.90
и		1	.73	.95	1.23	1.65	2.55	3.35	4.90
"			1.00	1.25	1.65	2.30	3.20	4.10	6.00
4	.50	.58	.75	.93	1.22	1.70	2.45	3.15	4.65
		.72	.90	1.15	1.50	2.10	3.00	3.95	5.85
"			1.33	1.62	2.15	2.95	4.25	5.45	7.90
"	.72	.84	1.05	1.30	1.75	2.50	3.50	4.50	6.70
ű		1.05	1.30	1.65	2.15	3.15	4.35	5.70	8.30
	.29	.33	.42	.53	.72	1.00	1.45	1.80	2.60
"	.37	.44	.55	.67	.92	1.30	1.85	2.35	3.35
"		.42	.53	.65	.87	1.20	1.75	2.15	3.10
		.26	.32	.42	.55	.82	1.15	1.65	2.35
"	.28	.37	.45	.52	.67	.90	1.20	1.55	2.30
			.51	.59	.77	1.05	1.55	2.15	3.25
"				.49	.63	.92	1.30	1.75	2.55
4	.23	.29	.36	.47	.63	.89	1.25	1.75	2.60
4	.29	.30	.39	.48	.60	.77	1.00	1.30	1.85
				1.85	2.40	3.10	4.40	5.70	8.25
4				1.95	2.50	3.25	4.75	6.20	8.75
	Each a a a a a a a a a a a a a	Each 36 " 45 " 54 " 554 " 554 " 72 " 37 " 37 " 4	Each 36 42 4 55 4 45 53 4 54 60 4 55 58 4 55 58 4 55 58 5 56 58 6 72 84 6 1.05 6 29 33 6 37 44 6 42 6 26 6 37 6 38 7 28 7 37 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7 38 7	Each 36 .42 .53 " .52 .65 " .45 .53 .65 " .54 .60 .73 " .73 .60 " .50 .58 .75 " .72 .84 1.05 " .72 .84 1.05 " .72 .84 1.05 " .72 .84 1.05 " .72 .84 1.05 " .72 .84 1.05 " .72 .84 1.05 " .73 .44 .55 " .74 .55 " .75 .75 " .75 .75 " .76 .75 " .77 .75 " .77 .75 " .78 .75 " .78 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75 " .79 .75	Each .36 .42 .53 .65 " .52 .65 .82 " .45 .53 .65 .78 " .54 .60 .73 .95 " 1.00 1.25 " .50 .58 .75 .93 " .72 .90 1.15 .33 .62 " .72 .84 1.05 1.30 1.65 " .29 .33 .42 .53 " .29 .33 .42 .53 " .42 .53 .65 " .42 .53 .65 " .42 .53 .65 " .26 .37 .45 .52 " .28 .37 .45 .52 " .28 .37 .45 .52 " .29 .30 .39 .48 " .29 </td <td>Each 36 42 .53 .65 .87 " .52 .65 .82 1.10 " .45 .53 .65 .78 1.00 " .54 .60 .73 .95 1.23 " .50 .58 .75 .93 1.22 " .50 .58 .75 .93 1.22 " .72 .90 1.15 1.50 " .72 .84 1.05 1.30 1.75 " .72 .84 1.05 1.30 1.65 2.15 " .29 .33 .42 .53 .72 " .29 .33 .42 .53 .72 " .29 .33 .42 .53 .72 " .42 .53 .65 .87 .92 " .42 .53 .65 .79 .22 " .28</td> <td>Each .36 .42 .53 .65 .87 1.25 " .52 .65 .82 1.10 1.60 " .45 .53 .65 .78 1.00 1.43 " .54 .60 .73 .95 1.23 1.65 " .54 .60 .73 .95 1.23 1.65 " .73 .95 1.23 1.65 2.30 " .50 .58 .75 .93 1.22 1.70 " .72 .90 1.15 1.50 2.10 " .72 .84 1.05 1.30 1.75 2.50 " .72 .84 1.05 1.30 1.65 2.15 2.95 " .72 .33 .42 .53 .72 1.00 " .29 .33 .42 .53 .72 1.00 " .42 .53 .65<!--</td--><td>Each .36 .42 .53 .55 .87 1.25 1.75 " .52 .65 .82 1.10 1.60 2.15 " .45 .53 .65 .78 1.00 1.43 1.95 " .54 .60 .73 .95 1.23 1.65 2.55 " .73 .95 1.23 1.65 2.55 " 1.00 1.25 1.65 2.30 3.20 " .50 .58 .75 .93 1.22 1.70 2.45 " .72 .90 1.15 1.50 2.10 3.00 " .72 .90 1.15 1.50 2.10 3.00 " .72 .84 1.05 1.30 1.75 2.50 3.50 " .105 1.30 1.65 2.15 2.51 3.15 4.35 " .29 .33 .42 .53</td><td>Each 36 42 .53 .65 .87 1.25 1.75 2.25 " .52 .65 .82 1.10 1.60 2.15 2.85 " .45 .53 .65 .78 1.00 1.43 1.95 2.55 " .54 .60 .73 .95 1.23 1.65 2.55 3.35 " 1.00 1.25 1.65 2.50 3.20 4.10 " .50 .58 .75 .93 1.22 1.70 2.45 3.15 " .72 .90 1.15 1.50 2.10 3.00 3.95 " .72 .90 1.15 1.50 2.10 3.00 3.95 " .72 .84 1.05 1.30 1.75 2.50 3.50 4.50 " .72 .84 1.05 1.30 1.65 2.15 3.15 4.35 5.70 <t< td=""></t<></td></td>	Each 36 42 .53 .65 .87 " .52 .65 .82 1.10 " .45 .53 .65 .78 1.00 " .54 .60 .73 .95 1.23 " .50 .58 .75 .93 1.22 " .50 .58 .75 .93 1.22 " .72 .90 1.15 1.50 " .72 .84 1.05 1.30 1.75 " .72 .84 1.05 1.30 1.65 2.15 " .29 .33 .42 .53 .72 " .29 .33 .42 .53 .72 " .29 .33 .42 .53 .72 " .42 .53 .65 .87 .92 " .42 .53 .65 .79 .22 " .28	Each .36 .42 .53 .65 .87 1.25 " .52 .65 .82 1.10 1.60 " .45 .53 .65 .78 1.00 1.43 " .54 .60 .73 .95 1.23 1.65 " .54 .60 .73 .95 1.23 1.65 " .73 .95 1.23 1.65 2.30 " .50 .58 .75 .93 1.22 1.70 " .72 .90 1.15 1.50 2.10 " .72 .84 1.05 1.30 1.75 2.50 " .72 .84 1.05 1.30 1.65 2.15 2.95 " .72 .33 .42 .53 .72 1.00 " .29 .33 .42 .53 .72 1.00 " .42 .53 .65 </td <td>Each .36 .42 .53 .55 .87 1.25 1.75 " .52 .65 .82 1.10 1.60 2.15 " .45 .53 .65 .78 1.00 1.43 1.95 " .54 .60 .73 .95 1.23 1.65 2.55 " .73 .95 1.23 1.65 2.55 " 1.00 1.25 1.65 2.30 3.20 " .50 .58 .75 .93 1.22 1.70 2.45 " .72 .90 1.15 1.50 2.10 3.00 " .72 .90 1.15 1.50 2.10 3.00 " .72 .84 1.05 1.30 1.75 2.50 3.50 " .105 1.30 1.65 2.15 2.51 3.15 4.35 " .29 .33 .42 .53</td> <td>Each 36 42 .53 .65 .87 1.25 1.75 2.25 " .52 .65 .82 1.10 1.60 2.15 2.85 " .45 .53 .65 .78 1.00 1.43 1.95 2.55 " .54 .60 .73 .95 1.23 1.65 2.55 3.35 " 1.00 1.25 1.65 2.50 3.20 4.10 " .50 .58 .75 .93 1.22 1.70 2.45 3.15 " .72 .90 1.15 1.50 2.10 3.00 3.95 " .72 .90 1.15 1.50 2.10 3.00 3.95 " .72 .84 1.05 1.30 1.75 2.50 3.50 4.50 " .72 .84 1.05 1.30 1.65 2.15 3.15 4.35 5.70 <t< td=""></t<></td>	Each .36 .42 .53 .55 .87 1.25 1.75 " .52 .65 .82 1.10 1.60 2.15 " .45 .53 .65 .78 1.00 1.43 1.95 " .54 .60 .73 .95 1.23 1.65 2.55 " .73 .95 1.23 1.65 2.55 " 1.00 1.25 1.65 2.30 3.20 " .50 .58 .75 .93 1.22 1.70 2.45 " .72 .90 1.15 1.50 2.10 3.00 " .72 .90 1.15 1.50 2.10 3.00 " .72 .84 1.05 1.30 1.75 2.50 3.50 " .105 1.30 1.65 2.15 2.51 3.15 4.35 " .29 .33 .42 .53	Each 36 42 .53 .65 .87 1.25 1.75 2.25 " .52 .65 .82 1.10 1.60 2.15 2.85 " .45 .53 .65 .78 1.00 1.43 1.95 2.55 " .54 .60 .73 .95 1.23 1.65 2.55 3.35 " 1.00 1.25 1.65 2.50 3.20 4.10 " .50 .58 .75 .93 1.22 1.70 2.45 3.15 " .72 .90 1.15 1.50 2.10 3.00 3.95 " .72 .90 1.15 1.50 2.10 3.00 3.95 " .72 .84 1.05 1.30 1.75 2.50 3.50 4.50 " .72 .84 1.05 1.30 1.65 2.15 3.15 4.35 5.70 <t< td=""></t<>

EVERY FITTING TESTED

For Chrome add 20% to the above Nickel Plate list.





Brass Fittings

STANDARD IRON PIPE THREADS

Tested for a Working Pressure of 125 lbs. Steam and 150 lbs. Water







Brass Unions

Tested for a Working Pressure of 125 lbs. Steam and 150 lbs. Water

Inches	1/8	1/4	3/8	1/2	3/4	1	11/4	11/2	2
Size Each	.40	.50	.65	.85	1.15	1.60	2.25	2.70	4.00
Rough "	.45	.55	.75	.95	1.30	1.75	2.50	3.00	4.50
Semi-Finished "	.50	.60	.85	1.05	1.40	1.90	2.75	3.25	5.00
Polished "	.60	.72	1.02	1.26	1.68	2.28	3.30	3.90	6.00
Pol. & N.P "	.75	.90	1.28	1.58	2.10	2.85	4.13	4.88	7.50

For Chrome add 20% to the above Nickel Plate list.

Brass Nipples

IRON PIPE SIZE

	Length					Len	gth—Inc	hes				
Size	Close	Close	11/2	2	21/2	3	31/2	4	41/2	5	51/2	6
1/8	3/4 7/8	.11	.13	.15	:17	.19	.21	.23	.25	.27	.29	.31
1/4	7/8	.13	.16	.19	.22	.25	.28	.31	.34	.37	.40	.43
3/8	1	.15	.19	.23	.27	.31	.35	.39	.43	.47	.51	.55
1/2	11/8	.23	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70
3/4	13/8	.28		.35	.42	.49	.56	.63	.70	.77	.84	.91
1	11/2	.37		.44	.53	.62	.71	.80	.89	.98	1.07	1.16
11/4	15/8	.60			.75	.88	1.01	1.14	1.27	1.40	1.53	1.66
11/2	13/4	.70			.90	1.05	1.20	1.35	1.50	1.65	1.80	1.95
2	2	1.00			1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60

Add to the above list 75% for Nickel Plate and 100% for Chrome.



Sink Elbow

Rough Brass





Brass Slip Joint Fittings



for Tubing

Nickel or Chrome Plated

Nickel Plated Unless Otherwise Specified

For Chrome Plated Fittings add "C" to Catalog Number



45° Elbow DOUBLE SLIP JOINT

No.																	Siz	e	
7303.										٠				 	. ,		11/4	in.	
7305.																	11/2	in.	



90° Elbow

DOUBLE SLIP JOINT

Tee TRIPLE SLIP JOINT

No.																Siz	e,e
7306.													 			11/4	in.
7307.			,							,						$1\frac{3}{8}$	in.
7308.																11/2	in.



90° Elbow ONE END SLIP JOINT ONE END FINE THREAD

No.	Size
7309	11/4 in.
7310 Tapped, Slip Joint	11/2 in.
7311	11/2 in.



45° Elbow

FINE THREAD AND SLIP JOINT

	 		,	
No.		Size	3	
7312 7313				



Tee

FINE THREAD AND SLIP JOINT

	The state of the s
No.	Size
7314	Tapped 11/4" F.T., Slip Joint End for
	11/4" Tube. Slip Joint Side for 11/4" Tube.
/310	Tapped 11/2" F.T., Slip Joint End for
	11/2" Tube. Slip Joint Side for 11/2" Tube.
	1 /2 Tube, all foint aige for 1 /2 Tibe.





Brass Fittings for Tubing

Nickel Plated or Chrome

Supplied in Nickel Plate unless otherwise specified

If wanted in Chrome, add "C" to the Catalog Number

For Soldering or Fine Thread



90° Elbow TO SOLDER

No.							Si	ze
7320.							11/4	in.
7322.							11/2	in.

90° Elbow FINE THREAD

No.								51	ze	
7323.							٠	11/4	in.	
7325.								11/2	in.	

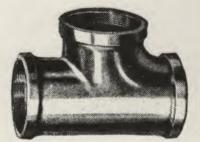


45° Elbow TO SOLDER

		- 10		•	•	•	_	-	-	~	_			
No.												Si	ze	
7331												11/4	in.	
7333			٠									11/2	in.	

45° Elbow FINE THREAD

No.							Si	ze
7334.							11/4	in.
7336.							11/2	in.



Tee TO SOLDER

No.		_	_	١	_	1	Ì	Si	ze
7337.								11/4	in.
7339.								11/2	ın.

Tee FINE THREAD

No.								· Si	ze
7340.					۰			11/4	in.
7342.							٠	$1\frac{1}{2}$	in.

For Soldering or Fine Thread

Nickel Plated and Chrome

Supplied in Nickel Plate unless otherwise specified

If wanted in Chrome, add "C" to the Catalog Number

Space Nipple

Sleeve



No.				Reamed for	
343		٠		.14" O.D. Tube	
344				.11/4" O.D. Tube	9



No.	Threaded	Length
7345	1¼" F.T	1"
7346	1½" F.T	1½"

Bushing



No.									Size		
7347									.11/8"	x	1"
7348		٠	٠			۰	٠	٠	.11/4"	x	1"
7349									.11/2"	X	11/4"





Brass Pipe and Tubing



Furnished Nickel Plated unless Chrome is specified

Nos. 7400-7436

For Chrome add "C" to Catalog Number

Ann	ealed	Tubing				
Number		7401	7402	7403	7404	7405
Outside Diameter	7/16"	7/16" 18	1/2"	1/2"	2 1/32" 14	13/16"

Full Iron Pipe Sizes

Number 7406	7407	7408	7409	7410	7411	7412	7413	7414
Size	1/4" I.P.	3/8" I.P.	1/2" I.P.	3/4" I.P.	I" I.P.	11/4" I.P.	11/2" I.P.	2" I.P.
weight per it. ibs25	.44	.61	.91	1.24	1.74	2.56	3.04	4.02
Stock lengths: 3, 6 and	12-ft. —	6-ft. lend	the shipp	ad unless	otherwise	specified		

Hard Temper for Wastes, Bars, Railings, etc.

Number	3/8"	1/2"	7417 5/8' 20		" 7/8"		20 7· 1" 20	421 " 7	7422 11/8" 20
Number Outside Diameter Gauge Stock lengths: 3 a			11/4"	13/8"	11/2"	2" 20	11/4"	17	7429 1/2" 17

Casing to Cover Wrought Iron Pipe

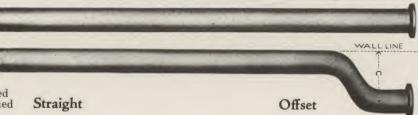
Number						7435	
Outside Diameter of Casing	3/4" -	15/16"	11/8"	13/8"	13/4"	131/32"	27/16"
To Cover Iron Pipe	3/0"	1/2"	3/4"	"	11/4"	11/2"	2"

Stock lengths: 3 and 6-ft. — 6-ft. lengths shipped unless otherwise specified. Cannot furnish in longer than 6-ft. lengths.

Flush Pipes for High Tanks

Nickel Plated or Chrome

If wanted in Chrome, add "C" to the Catalog Number



Furnished Nickel Plated unless Chrome is specified

No.	Size	Diameter of Collar	Length	Gauge	No.	Size	Offset	Diameter of Collar	Length	Gauge
7437	11/4"	17/8"	51/2'	24	7438A	11/4"	3"	15/8"	51/2'	24
7437A	11/4"	17/8"	6'	20	7438B	11/4"	3"	17/8"	51/2'	24
					7438D	11/4"	3"	15/8"	6'	20
					7438E	11/4"	3"	17/8"	6'	20
					7438F	11/4"	31/2"	17/8"	51/2'	24
					7438G	11/4"	31/2"	17/8"	6'	20

Flush Pipes regularly furnished with Stamped Collars with diameters as listed above. The 1%" diameter Stamped Collar will readily trim to any desired diameter. Cast or Special Collars will be furnished, if so ordered. On 20-Gauge Flush Pipes, the Cast Collars both Threaded and Soldered to Tube.





This Space Reserved for New Items









Portable Showers

Nickel Plated and Chrome

A 24" diameter ring of 3/4" Seamless Brass Tubing, with Cast wall flange. 3/4" Brass Riser and cast wall fitting. Equipped with strong, durable rubber tubing with faucet connection. 61/2" Brass Shower Head and offset arm. Come with ten (10) Curtain Hooks.

Description

No. 7474 N.P. - Nickel Plated Shower, less Curtain.

No. 7474-C Chromium Plated Shower, less Curtain.

No. 7475 N.P. - Nickel Plated Shower and 72"x72" White

Duck Curtain.

No. 7475-C Chromium Plated Shower with White Duck

Curtain 72"x72".

No. 7476-C Chromium Plated Shower and 72"x72"

Mildewproof Shower Curtain. (For curtain colors see Page 5, Bathroom Fixture Sec-

tion.)

Rectangular Portable Shower Nickel Plated and Chrome

Seamless Brass 3/4" Tubing, size 24"x30" Rectangular Ring, with ceiling support. Has 3/4" Riser and cast wall flange. Strong, durable rubber tubing with faucet connection. Equipped with 4" Cast Brass Shower Head with offset arm. Comes with twenty (20) Curtain Hooks.

Description

No. 7478 N.P. — Nickel Plated Shower less curtain.

No. 7478-C Chromium Plated Shower less curtain.

No. 7479 N.P. — Nickel Plated Shower with two 54"x72" White Duck Curtains.

No. 7479-C Chromium Plated Shower with two 54"x72" White Duck Curtains.

No. 7480 C Chromium Plated Shower with two 54"x72" Mildewproof Shower Curtains. (For Curtain colors see page 5, Bathroom Fixture Section.)

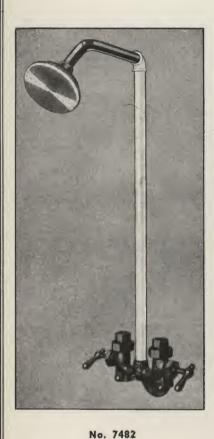






Exposed Showers

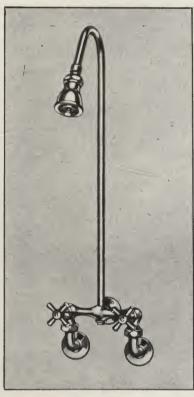
For Factories and Institutions



Rough Nickel

Industrial Shower, ½" double shower valve with wall bracket. Brass unions on inlets of valve (33%" C. to C., 2" C. to wall.) Brass lever handles, with 8" bent shower arm and 4" Brass forged shower head.

The vertical riser and elbows are not furnished.



No. 7483

Chromium Plated

Exposed Double Shower fixture, 3/8" I. P. S. Flanged female union couplings, brass gooseneck fitted with supporting flange. Clean Spray Shower Head with ball joint. Brass 4-arm metal button handles.

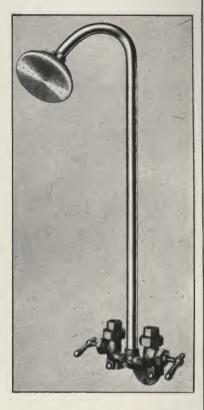
No. 7484

Same as above, but with supplies to the floor.

No. 7485

Same as above, but with supplies to the ceiling.

NOTE—Supply inlets 6" C. to C. center of valves to face of shower head 23". Face of shower head to top of gooseneck $6\frac{1}{2}$ ".



No. 7486

Industrial Shower, ½" double shower valve with wall bracket, with union inlets on the valve, Brass lever handles, galvanized gooseneck shower arm with 4" wrought brass shower head. ½" I. P.

No. 7487

Same as No. 7486 with Chrome Plated Brass Gooseneck Shower Arm.

NOTE—Supply inlets 33/8" C. to C. 2" C. to wall, C. of wall bracket to face of shower head 38". Face of shower head to top of gooseneck 61/2".

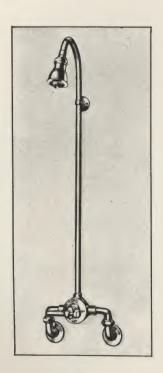
INDUSTRIAL SHOWERS SHOWN ON THIS PAGE ARE EQUIPPED WITH DRAIN FOR SHOWER ARM AND VALVE BODY.





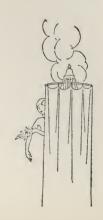
Exposed Mixing Valve Showers

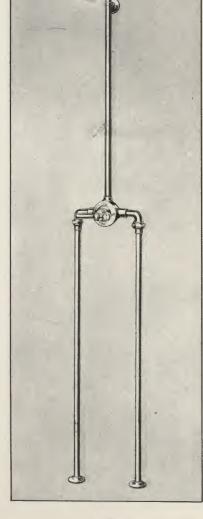
Brass-Chromium Plated



No. 7489

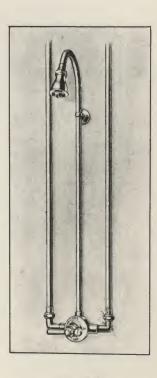
1/2" Shower Mixing Valve with supplies to wall. Gooseneck Shower arm with volume control. Clean Spray Shower head with ball joint. Riser 25" from end to top of bend.





No. 7490

1/2" Shower Mixing Valve with Supplies to floor. Gooseneck shower arm with volume control. Clean Spray shower head with ball joint. Riser 25" from end to top of bend.



No. 7491

1/2" Shower Mixing Valve with supplies to Ceiling. Gooseneck Shower Arm with volume control. Clean Spray shower head with ball joint. Riser 25" from end to top of bend.

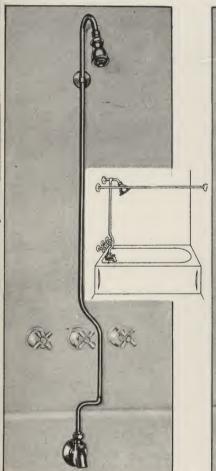






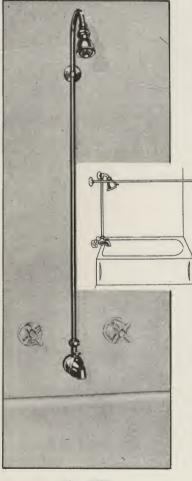
Plus Showers

Fully automatic as water always run through spout when supply valves are first opened. When closing supply valves, the diverter valve automatically returns to spout position. To operate, pull spout knob, then diverter valve is raised and stream is diverted to shower. Stream will not flow to shower unless diverter valve is raised. This prevents unexpected showers. Water can be tested and tempered to suit, at the spout first, then transferred to shower. Heavy 6" heavy cast brass spout with 3/4" inlet and non-splashing feature. Only one moving part, no springs or levers.



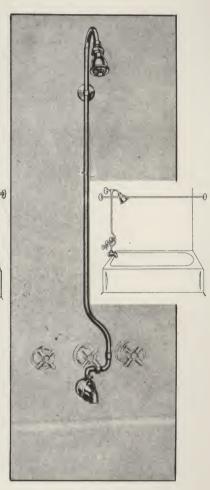
No. 7492

3/8" I. P. S. Chrome Plated. With Automatic Diverter Tub Nozzle for use with Standing Drain fixture. Riser pipe with wall support and Clean Spray Shower Head with Ball Joint and Volume Control. From center of spout to the face of the shower head is 55½".



No. 7493

3/8" I. P. S. Chrome Plated. With Automatic Diverter over the Rim Nozzle for use with Standing Drain fixture. Riser pipe with wall support and Clean Spray Shower Head with Ball Joint and Volume Control. From center of spout to the face of the shower head is 46½".



No. 7494

3/8" I. P. S. Chrome Plated. With Automatic Diverter over R'm Nozzle for use with Over Rim Tub filler. Riser pipe with wall support and Clean Spray Shower Head with Ball Joint. and Volume Control. From center of spout to the face of the shower head is 46½".





EXPOSED BATH SUPPLY AND SHOWER FIXTURE



No. 7496-C—Shower only Chrome Plated. Lever handle. Bath faucet as in circular insert. Riser pipe with 16" support for back or end wall. Clean Spray shower head. Frame 11/16" brass, Chrome Plated tubing, 37" x 27" with 36" support to ceiling and support to shower arm.

No. 7497-C-Same with two White Duck Curtains 5 ft. x 6 ft. (no hooks).

No. 7498-C-Same with two Mildewproof Curtains 5 ft. x 6 ft (For curtain colors see page 5, Bathroom Fixture section.)

> Wrought Brass Shower Head with Integral Ball Joint

Shower Accessories

Wrought Brass Head



No. 7500-41/2" dia. Chrome Plated head. Removable face. I. P. S. 1/2".

Cast Brass Shower Head With Integral Ball Joint



No. 7504-4" Diameter Chrome Plated head. Removable face. I. P. S. 1/2".

Clean Spray Shower Head



No. 7501—4½" dia. Chrome Plated head. Removable face.

Cast Brass Shower Head Rough Brass or Chrome

I. P. S. 1/2".

No. 7503-4" dia. Chrome Plated head. Remov able face. I. P. S. ½".

Clean Spray Shower Head



No. 7508 — Chrome Plated 21/4" head, no volume control, no ball joint. I. P. S. 1/2".

Clean Spray Shower Head



No. 7506 — Chrome Plated $2\frac{1}{4}$ " head with ball joint and volume control. I. P. S. $\frac{1}{2}$ ".



No. 7507 — Chrome Plated 21/4" head with volume control but no ball joint. I. P. S. 1/2".





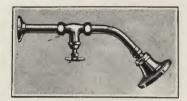
Shower Accessories

Shower Head and Arm



No. 7510—Chromium Plated Shower Arm 12" long, 4" cast brass head with integral ball joint, removable face and wrought wall flange.

No. 75101/2—Same except that shower arm is 8" long.



No. 7511—Chromium Plated Shower Arm 12" long and includes volume control valve or shut off. With 4" cast brass head with integral ball joint. Removable face and wrought wall flange.

Adjustable Shower Rod Ceiling and Wall Support

No. 7512 N.P. - Ceiling Support. No. 7512-C - Ceiling Support.



No. 7513 N.P .- Wall Support.

No. 7513-C—Wall Support. Either of these supports can be used for either round or octagon curtain rods.



No. 7512

Curtain Rod Flanges



No. 7514-Chromium Plated adjustable heavy cast brass flange with set and wood screws. Slip pipe 1" O. D.

Curtain Rod Flanges



No. 7515—Chromium Plated adjustable wrought brass flange with set and wood screws. Slip pipe 1" O. D.

Curtain Rod Flange

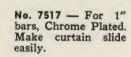






No. 7516 - Chromium Plated heavy cast brass adjustable flange with set and wood screws. Used with corner curtain rod. Slip pipe 1" O. D.

Roller Bearing Curtain Ring Hooks



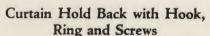
Curtain Hooks

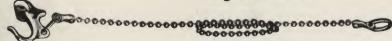
No. 7847-N.P.-Nickel Plated No. 7847-C -Chromium Plated

Short Shower Arm



No. 7518-Designed for use with stall showers, and for clubs and institutions. Has 30° flanged elbow tapped 1/2" I.P. with 1/2" Male I.P.





No. 7519

Finish. Polished Nickel, Polished Chrome.





Shower Accessories

Hose Nozzle Connection for Showers



No. 7520 Dipped Nickel

Shower Mixer



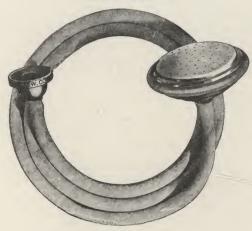
No. 7521 Nickel Plated Brass

Bath Sprinkler



No. 7522 Nickel Plated with White Rubber Bumper ring. 3½" face

Hand Shower



No. 7524

High quality white corrugated rubber tubing, with Nickel Plated Bulb Connection and Brass N. P. Spray, with rubber ring protector.

Shower Arm with Volume

Expansion
Shampoo Coupling

No. 7523

Chromium Plated, for Bath faucets.

No. 7523

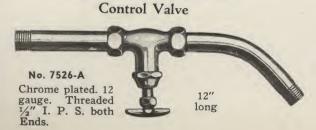
Hand Shower



No. 7525

No. 7525 N.P. Nickel Plated No. 7525-C— Chrome Plated

Offset Shower Arm



No. 7526-B

No. 7559 — Length 12" Chrome Plated, $\frac{1}{2}$ " I. P. S.





Shower Curtain Rods

Brass-Chromium Plated

STRAIGHT ROD FOR BUILT-IN TUBS



No. 7527-C No. 7528-C No. 7529-C Tube 1"—20 gauge, length 38" Tube 1"—20 gauge, length 62" Tube 1"—20 gauge, length 68" For 3 ft. square tub For 5 ft. tub For 5½ ft. tub

Furnished with two round cast, Chromium plated flanges and Chromium plated brass screws. Slip in connection.

BENT, FOR BUILT-IN TUB



No. 7532-C No. 7533-C Tube 1"—20 gauge, Size 28"x57" Tube 1"—20 gauge, Size 28"x63" For 5 ft. tub For 5½ ft. tub

Furnished with two cast, Chrome plated oblong flanges, and Chromium plated brass screws. Slip in connection.

COMPLETE WITH CURTAIN AND HOOKS



No. 7535-C Tube 1"—20 gauge, length 62" For 5 ft. tub. Duck Curtain 66" x 72" (10 Hooks)
No. 7536-C Tube 1"—20 gauge, length 68" For 5½ ft. tub. Duck Curtain 72" x 72" (12 Hooks)
Furnished with two round cast, Chromium plated flanges and Chromium plated brass screws.

COMPLETE WITH CURTAIN, HOOKS AND HOLDBACK



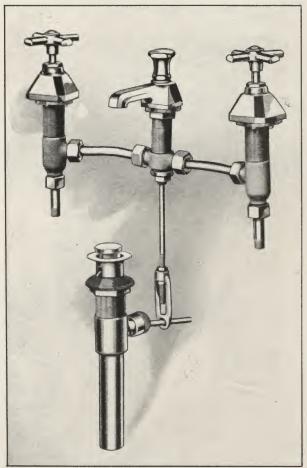
No. 7538-C Tube 1"—20 gauge, Size 28"x57" For 5 ft. tub. Curtains, 36" x 72" and 66" x 72" (15 hooks)
No. 7539-C Tube 1"—20 gauge, Size 28"x63" For 5½ ft. tub. Curtains, 36" x 72" and 72" x 72" (15 hooks)

Furnished with two cast, Chrome plated oblong flanges, and Chromium plated brass screws. Slip in connection.





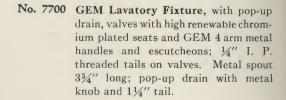
GEM LAVATORY FIXTURES



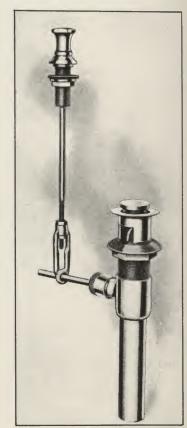
No. 7700

No. 7710 GEM Pop-Up Lavatory Drain, with Metal knob and escutcheons.

The Lavatory fixtures shown on this page are made up with 1¼" Tail Pieces. If 1½" Tail Pieces are desired, order must specify.



No. B 7700 Same as No 7700 except with metal spout $4\frac{3}{4}$ " long.

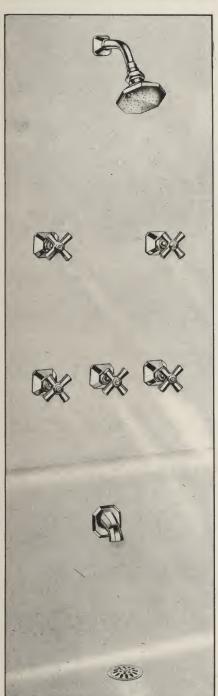


No. 7710





GEM BATH AND SHOWER FIXTURE



No. 7715

If Bath and Shower valves are to be connected, add the letter "C" to figure number.

No. 7715

GEM Bath and Shower Fixture. ½" by-pass valves with high renewable chromium plated seats, 11" C. to C. of bath, also shower valves; W-W brass unions on inlets of bath and shower valves. GEM 4-arm metal handles and escutcheons, with brass tub nozzle, 8" bent shower arm and wall flange, 4" brass shower head with ball joint, 2" standing drain.

No. B-7715

Same as No. 7715 but with shower valves $8^{\prime\prime}$ C. to C.

When fixtures are to be set in back wall near end or in center, order must specify.





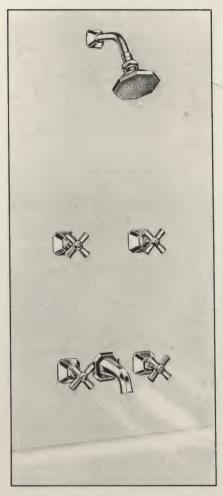
No. 7720

No. 7720 GEM Bath Fixture. ½" by-pass valves with high renewable chromium plated seats, 11" C. to C. of bath valves; W-W brass unions on inlets of valves; GEM 4-arm metal handles and escutcheons, brass tub nozzle, 2" standing drain.





GEM BATH AND SHOWER FIXTURES



No. 7722

GEM Bath and Shower Fixture Less Waste. ½" by-pass valves with high renewable chromium plated seats, 8" C. to C. of bath, also shower valves. W-W brass unions on inlets of bath and shower valves; GEM 4-arm metal button handles and escutcheons, brass over-rim nozzle, 8" bent shower arm with flange, 4" brass shower head with ball joint.



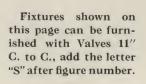
No. 7723

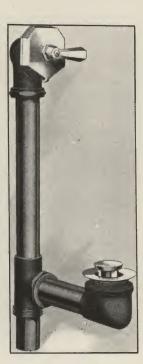
No. 7723 GEM Over-Rim Tub Fitter. ½" by-pass valves with high renewable chromium plated seats, 8" C. to C. of valves; W-W brass unions on inlets of valves; GEM 4-arm metal button handles and escutcheons, brass over-rim nozzle.



No. 7506

When Specified, Fixtures can be furnished with Cleanspray Art Design Shower Heads.





No. 7724

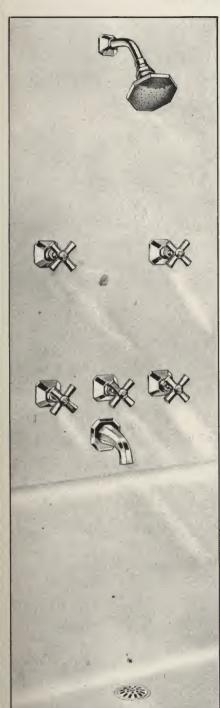
If Bath and Shower valves are to be connected, No. 7724 GEM Trip Lever Pop-Up Bath Waste. add the letter "C" to figure number.

Metal lever handle.





GEM BATH AND SHOWER FIXTURE



No. 7725

If Bath and Shower valves are to be connected, add the letter "C" to figure number.

No. 7725 GEM Bath and Shower Fixture. ½" by-pass valves, with high renewable chromium plated seats, 11" C. to C. of bath, also shower valves; W-W brass unions on inlets of bath and shower valves; GEM 4-arm metal button handles and escutcheons, brass over-rim nozzle, 8" bent shower arm, with brass flange, 4" brass shower head with ball joint, 2" standing drain.

No. B-7725 Same as No. 7725 but with shower valves $8^{\prime\prime}$ C. to C.



are to be set in back wall near end or in center, order must specify.

When fixtures



No. 7730

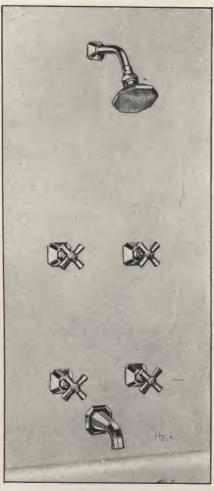
GEM Bath Fixture. ½" by-pass valves, with high renewable chromium plated seats, 11" C. to C. of bath valves; W-W brass unions on inlets of valves; GEM 4-arm metal button handles and escutcheons, brass over-rim nozzle, 2" standing drain.

When Specified, Fixtures can be furnished with Cleanspray Art Design Shower Heads.





GEM BATH AND SHOWER FIXTURES

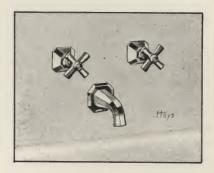


No. 7731

GEM Bath and Shower Fixture Less Waste. ½" by-pass valves with high renewable chromium plated seats, 8" C. to C. of bath, also shower valves. W-W brass unions on inlets of bath and shower valves. Bath and shower valves connected. GEM 4-arm metal button handles and escutcheons, brass over rim nozzle, 4" below bath valves, 8" bent shower arm with flange, 4" brass shower head with ball joint.

No. B-7731

Same as No. 7731 but less connecting pipe between Supply Tee and Nozzle.



No. 7732

GEM Over Rim Tub Filler. ½" by-pass valves with high renewable chromium plated seats, 8" C. to C. of valves; W-W brass unions on inlets of valves; GEM 4-Arm metal button handles and escutcheons, brass over rim nozzle, 4" below bath valves.

No. B-7732

Same as **No. 7732** but less connecting pipes between Supply Tee and Nozzle.

Fixtures shown on this page can be furnished with Valves 11" C. to C. Add the letter "S" after figure number.

If Bath and Shower Valves are to be connected, add the letter "C" to figure number.



When Specified, Fixtures can be furnished with Cleanspray Art Design Shower Heads.

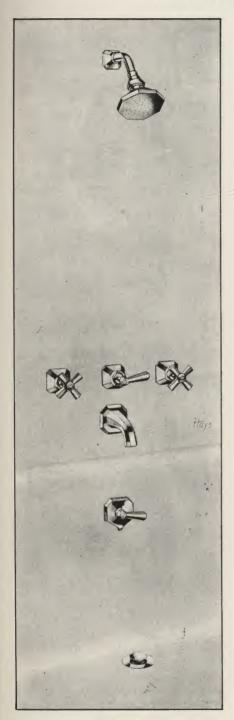
No. 7506

Exposed Metal Nickel or Chromium Plated





GEM BATH AND SHOWER FIXTURES



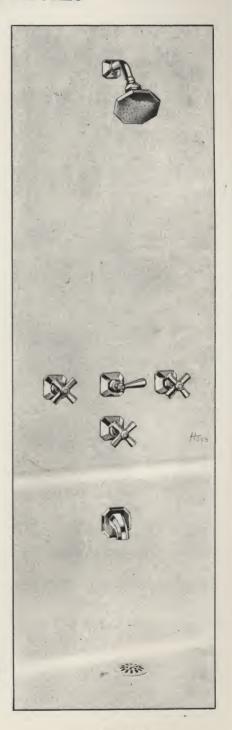
No. 7733 GEM Combination Diverting Valve Fixture, with trip lever pop-up waste (all with GEM escutcheons) Bath valves 11" C. to C. with GEM 4-arm metal button handles on control valves and GEM metal lever handle on diverting valve and trip lever waste, with brass overrim tub nozzle, 4" shower head and arm, with brass wall flange.

No. 7734 GEM Combination Diverting Valve Fixture, with bi-transit waste, with GEM 4-arm metal button handles and escutcheons on control valves and waste. GEM metal lever handle on diverter, brass tub nozzle, 4" shower head and arm with brass wall flange.



No. 7506

When specified, clean Spray Shower Head with ball joint and volume control can be substituted.



No. 7733

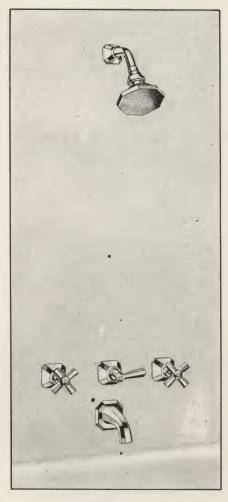
No. 7734

When fixtures are set in back wall near end, or in center, order must specify.





GEM BATH AND SHOWER FIXTURES



No. 7735



No. 7740

Gem Bath, Shower and Lavatory Valve Escutcheon

No. 7735 GEM Bath and Shower Diverting Valve Fixture Less Waste. ½" bath valves with high renewable chromium plated seats, 11" C. to C. of bath valves; W-W brass unions on inlets of bath valves, and with diverter for shower or tub; GEM 4-arm metal button handles, brass lever on diverter and brass escutcheons, brass over-rim nozzle, 8" bent shower arm with flange, 4" shower head with ball joint.

No. 7736 GEM Shower Fixture. ½" valves with high renewable chromium plated seats, 11" C. to C. of valves, W-W brass unions on inlets of valves; GEM 4-arm metal button handles and escutcheons, 8" bent shower arm with flange, 4" brass shower head with ball joint.

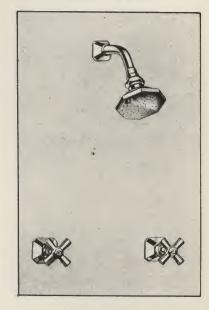
No. B-7736 Same as No. 7736 but with valves 8" C. to C.



No. 7741 4" Gem Shower Head with Integral Ball Joint



No. 7742 Gem Over-Rim Nozzle



No. 7736



No. 7743 Gem Handle for Bath, Shower and Lavatory Valves



No. B-7742 Gem Tub Nozzle

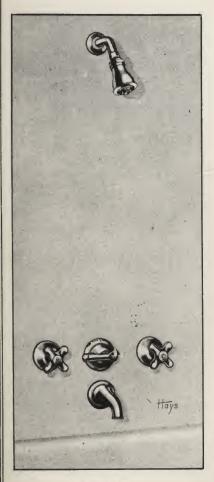


No. 7744 8" Bent Shower Arm with Gem Flange





BATH AND SHOWER FIXTURES WITH DIVERTING VALVE



No. 7746

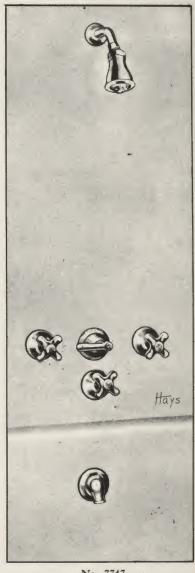
Bath and Shower Fixture, less waste. ½" bath valves with high renewable chromium plated seats 11" C. to C. of bath valves. W-W brass unions on inlets of bath valves, and with Diverter for Shower or Tub. Brass cross, Metal button handles, Brass lever on Diverter and Brass escutcheons, Brass over rim nozzle. 8" bent Shower arm with brass flange, Cleanspray Shower head with ball joint.



Combination Diverting Valve Fixture, with Trip Lever Pop-up Drain.

It has heavy wall lines, and is of all brass construction with ground joint valve seats on both the tub and shower outlets which afford large water way areas for both the shower and tub outlets.

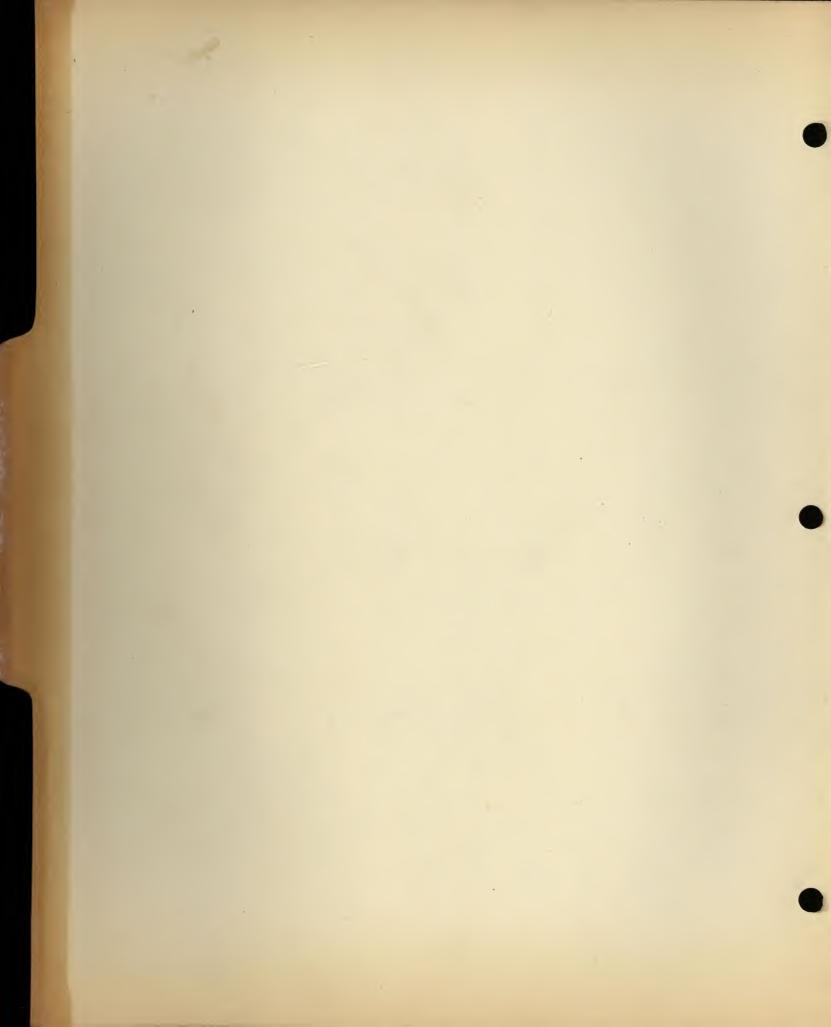
A renewable thread barrel packed with a Jewett molded ring can be adjusted by loosening the outside bonnet. This will also correct slight variations in the handle.



No. 7747

Combination Diverting Valve Fixture with 2"standing drain, brass cross metal button handles on control valves and waste, metal lever handle on diverter, brass tub nozzle, 8" bent shower arm with brass flange,

Cleanspray shower head with ball joint.







EVER-CHROME SANI-SET

FORGED BRASS—CHROME PLATED



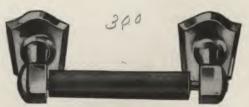
Soap Dish No. 7802



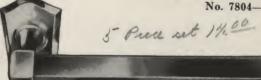
Robe Hook No. 7801



Tumbler and Tooth Brush Holder No. 7803

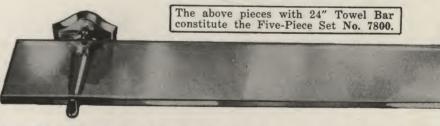


No. 7804-Paper Holder



%" Square Brass Towel Bar, Chromium Plated No. 7805-1—18" Bar No. 7805-2—24" Bar No. 7805-3—30" Bar % No. 7805-4 —36" Bar





No. 7806-1 Brackets with 18" Opal or Black Shelf

No. 7806-2 Brackets with 24" Opal or Black Shelf

No. 7806-3 Brackets with 30" Opal or Black Shelf

Directions for Installing





Fig. 1 Fig. 2



to stud with concealed set screw (Fig. 3), which draws all three pieces together in a neat tighting-fitting assembly that will not work loose. They are easily and quickly installed in any type of wall construction.



No. 7807—Grab Rail 34" x 9"





EVER-WHITE SANI-SE

Smooth, sparkling white "China" Bathroom Fixtures. An exclusive design and very good looking. Strong, sturdy and durable. A damp cloth keeps fixtures bright and clean.



Soap Dish No. 7816-W



Robe Hook No. 7815-W



Tooth Brush and Tumbler Holder No. 7817-W



Paper Holder No. 7818-W



Towel Bars can be supplied in any length on special order.

No. 7819-1-18" Bar

No. 7819-2-24" Bar

No. 7819-3-30" Bar

No. 7819-4-36" Bar





White Opal Shelf with Brackets No. 7822-18" No. 7823-24"



Slides over wedge first placed in wall. Fit as snug and tight as built-in-fixtures.

UNGLAZED SETS

No. 7814—5-piece unglazed set exactly like set No. 7820 except for finish. With wedges and screws.

COLORED SANI-SETS

We can supply complete five-piece sets in Baby Blue, Green and Black.



Soap Dish Grab Rail No. 7824-W





6.00

EVER-CHROME "JUNIOR" SET

CAST BRASS—CHROME PLATED



Soap Dish No. 7829



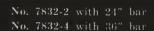
Paper Holder No. 7831



Tooth Brush and Tumbler Holder No. 7830



No. 7832-1 with 18" bar No. 7832-3 with 30" bar









No. 7833-2 with 24" crystal shelf

EVER-WHITE "JUNIOR" SET

Very similar to our regular Sani-Set, only smaller and on lighter lines.



Soap Dish No. 7837



Tumbler Holder No. 7836



Tooth Brush Holder No. 7838







No. 7840-1 -18" Bar

No. 7840-2 -24" Bar

The above 5 pieces with 24" Towel Bar constitutes our set No. 7835.

No. 7841-B -Black "Junior" Set of 5 pieces.





Tank Cover and Shelf



No. 7842

An extra shelf in your bathroom—a big roomy shelf that holds bottles and things too large for the medicine cabinet. This safety shelf fits right over the toilet tank. It replaces the lid of the tank, and now this space can be utilized without danger of things falling off the edge. Converts wasted space into useful space. Anybody can put it on in a jiffy, and without the need of tools. Made of brass and heavily Chromium Plated. Will stay everlastingly bright.

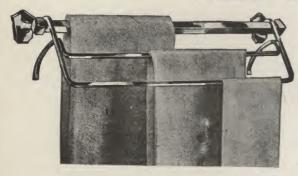


Baby Seat

No. 7843

The demand for Baby Seat caused us to design and build this one. It has no lid and is detachable as illustrated. Takes but a second to slip it on or off. The seat itself is well-made and well-finished in seamless white pyralin, buffed to a high lustre.

Annex Towel Bar



Made of solid brass and heavily chromium plated. Two extra towel bars can now be added to your present one. Very desirable and very useful. Complete with brackets

No. 7844-1-18" Bar No. 7844-2-24" Bar



Soiled Towel Basket

No. 7845

Substantially made with solid bottom, 11" in diameter. Height 18".

Costumer

No. 7846

Made of solid brass, heavily Chromium Plated, very strong and substantially made. Width at the base 17", height 67"







"Mildewproof" Shower Curtains

A fine quality Shower Curtain. It is Mildewproof, Shrinkproof and Fadeproof. The material is soft and pliable and can be washed and ironed and made to look new again. Will not crack or peel. Is water repellent and will not stick or cling to the body like most duck or rubberized curtains. Offered in six (6) colors.

LAVANDER GREEN WHITE ROSE BLUE A GOLD

Sizes other than those shown can be supplied. Price on application.

> No. 7848-72" x 72" (mention color) less hooks.

> No. 7849-72" x 90" (mention color) less hooks.

Curtain Hooks

No. 7847-N.P.-Nickel Plated No. 7847-C -Chromium Plated

White Duck Curtains

A very good quality of pre-shrunk, 8 ounces White Duck strong serviceable material.

No. 7850—White Duck 66" x 72" less hooks.

No. 7851-White Duck 72" x 72" less hooks.

No. 7852-White Duck 78" x 72" less hooks.

We can supply 8 or even 10 ounce Duck Curtains in any size desired. Cost increases with the size and weight. Special Sanforized (non-Shrinkable) White Duck can be supplied on order.

Folding Bath Bench



No. 7853. Needed to complete-

ly outfit the Modern Bathroom.
Sturdy brass legs, well-braced,
are truss-like in rigidity and strength. The locking feature when legs are sprung into place give positive safety. It is light, small and folded takes up little space. Especially useful where there are children. Corners rounded and feet rubber covered. White only.

Bath Stools



Strong, sturdy wood con-struction. The legs and top are of "Seamless" Pyralin.

Legs white with non-skid rubber feet. Top in white or colors. Shipped knocked down. Legs screw in.





Bathroom Scales

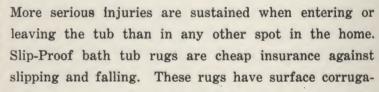
Modern Bathrooms are equipped with scales. Here is one of strong and sturdy construction. Accurate and Dependable. Will weigh up to 300 pounds. Supplied in either white or black finish.

No. 7857 White

No. 7858 Black

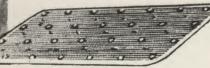


Slip-Proof Bath Tub Rugs

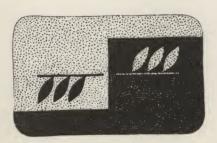


No. 7859 16" x 30" No. 7860 14" x 26" tions and numerous vacuum cups that firmly grip the smooth finish of the tub. Two sizes,

white only.



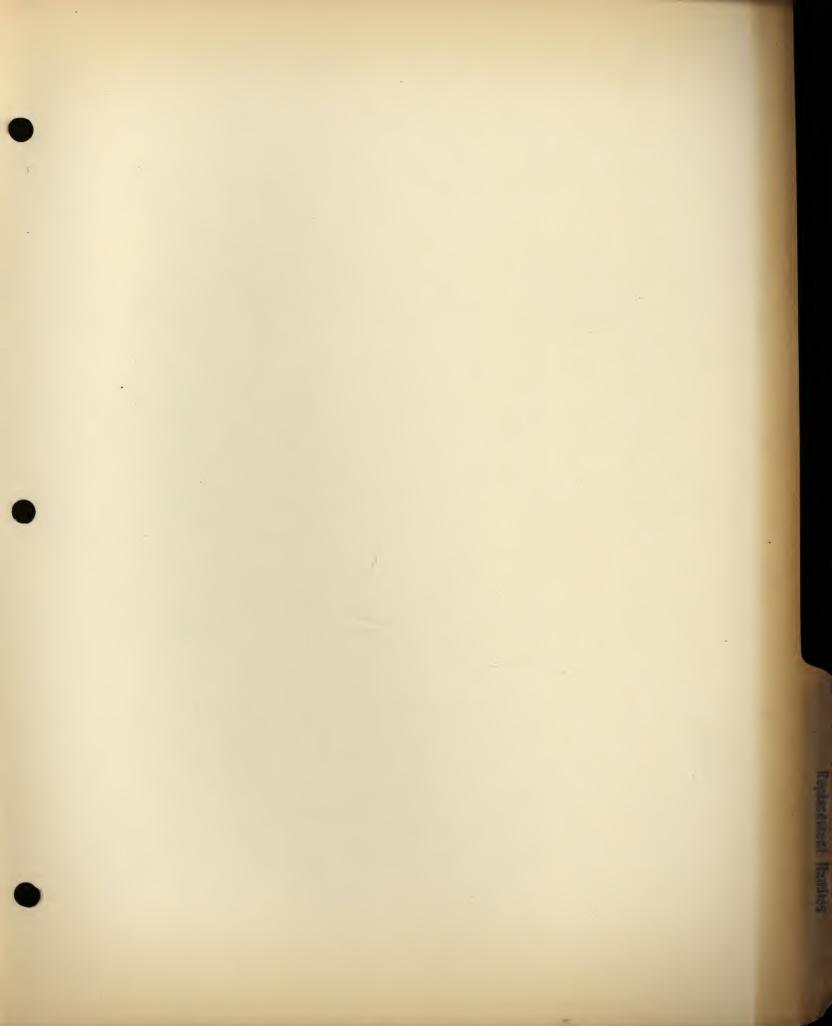
High Quality Sponge Rubber Mat

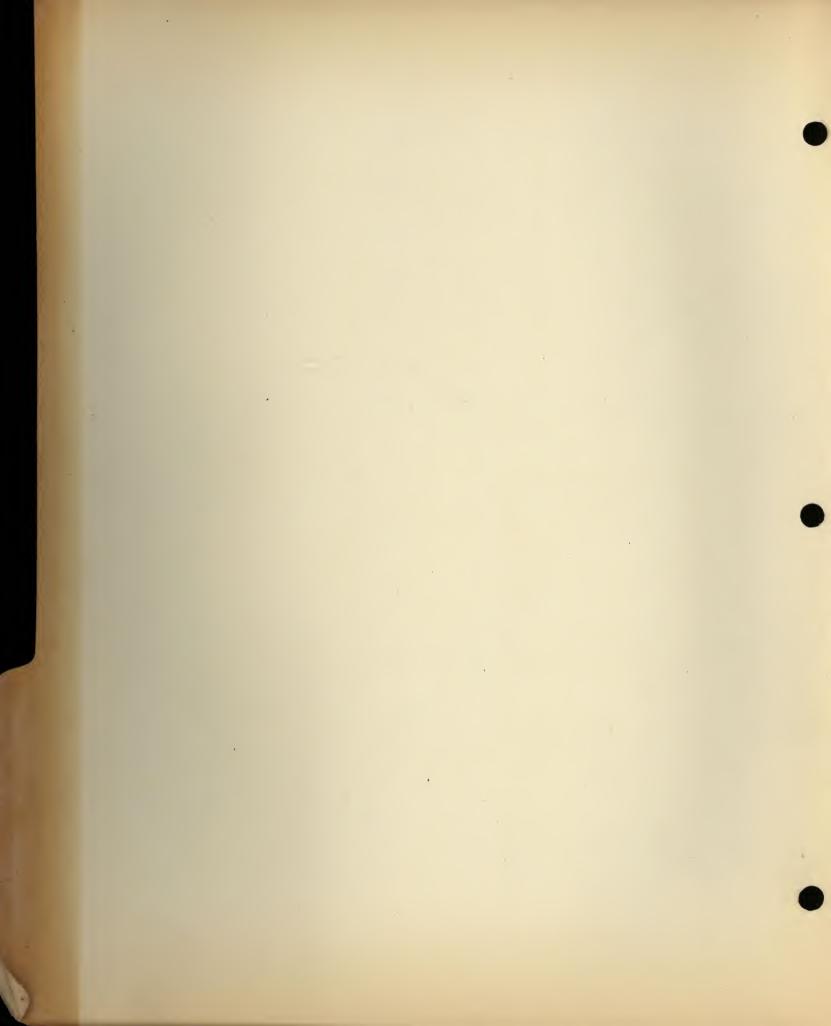


For use outside the tub or at the bottom of the tub when standing and taking a shower. Prevent skidding and are soft under foot. Durable and resilient and will improve the appearance of the bathroom. Design is in black and white.

No. 7861 15" x 24" No. 7862 20" x 30"

Design will harmonize with any interior.









Porcelain Replacement Handles



CLOSED OR OPEN STYLE

			1 % " Size		
	11/2" Size		No.	Marked	Style
No.	Marked	Style	7867	HOT	Closed
7863	HOT	Open	7868	COLD	Closed
7864	COLD	Open		2" Size	
7865	HOT	Closed	No. 7869	Marked	Style
7866	COLD	Closed	7870	$\begin{array}{c} \text{HOT} \\ \text{COLD} \end{array}$	Closed Closed



Four Prong Porcelain Handles



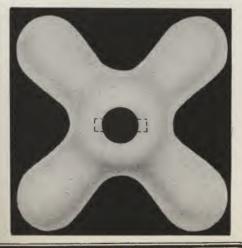
3¼" Size
No. 7873 — HOT
No. 7874 — COLD

2¾" Size

No. 7871 — HOT

No. 7872 — COLD





23/4" Size

No. 7875	Marked	HOT
No. 7876	Marked	COLD
	31/4" Size	
No. 7877	Marked	НОТ
No. 7878	Marked	COLD

Porcelain Four-Prong Plain Handle

No. 7879. Same as "Standard" R-43. With hole through center. No markings. Size $3\frac{1}{4}$ ".





Porcelain Flanges



HEX PATTERN

For Speakman Fixture.

No. 7880. Hex Pattern. Diameter of Top Opening $\frac{1}{2}$ ". Height $1\frac{15}{16}$ ". Diameter at Base $2\frac{11}{16}$ ". No. 7881. Same as above but with Threaded Brass Collar.

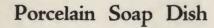


ROUND PATTERN

For Speakman Fixture.

No. 7882. Diameter of Top Opening $\frac{1}{2}$ ". Height $1\frac{15}{16}$ ". Diameter at Base $2\frac{11}{16}$ ".

No. 7883. Same with Threaded Brass Collar.



with and without Brass Spud

No. 7884. Length $5\frac{1}{4}$ ". Height $1\frac{3}{8}$ ". Width $3\frac{1}{2}$ ".

No. 7885. Same but with Brass Spud.





Flanges

No. 7886

Height 1%" Diameter. At base 2½" Diameter At top opening ½".

No. 7887

Height 1¹³/₁₆" Diameter. At base 2½" Diameter At top opening 12/16"



No. 7887-

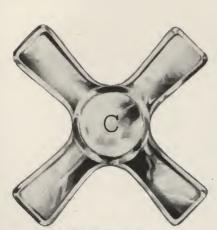
Special Flanges can be furnished if sample is supplied as guide.





Replacement Handles - Multi-Grip Patent -

These Patented Multi-Grip Handles will fit any stem, even if it is broken or chewed. Four (4) Cadmium Plated screws hold the handle firmly in place. They cannot slip. Once on, they stay on.



No. 7890-3 in.

For Built-in-Tub Fixtures. A White Metal handle, Chrome Plated. Marked H, C, W or just plain.

No. 7891-25/s in.

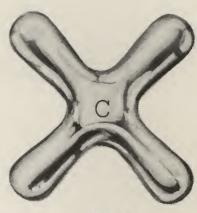
Same as above. For Lavatory or Basin Faucets.

Marked H and C.



Multi-Grip
Four-Screw
Principle

Fits all sizes and types of stems. Simply screw the four adjustable cadmium plated, case-hardened screw points firmly into the stem and the handle is permanently installed. This Multi-Grip principle is fully covered by patents.



No. 7895-3 in.

For Built-in-Tub Fixtures. Heavy Forged Brass, Chromium Plated. Marked H, C, W or just plain.

No. 7896-25/s in.

Same as above. For Lavatory or Basin Faucets.

Marked H and C.



No. 7893-3 in.

For Built-in-Tub Fixtures. White Porcelain Handles with Chrome Plated Brass Spud.
Marked H, C or W.

No. 7894-25/s in.

Same as above. For Lavatory or Basin Faucets.
Marked H and C.



Handle and Escutcheon

For Built-in-Tub or Lavatory Fixtures

Brass Forged and Chrome Plated. Marked H, C, W or just plain.

No. 7901—Multi-Grip Chrome Brass Handle and Escutcheon Housing. Standard size. Height 3½ x 3" in diameter. Suitable for Lavatory, Bath and Shower fixtures. Will fit 90% of the Bell Escutcheon installations. Instructions for installation come with each escutcheon.

No. 7901





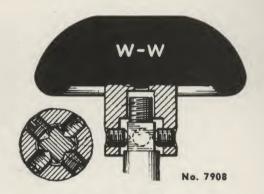
Soap Dish and Radiator Valve Handle Replacements—Multi-Grip Patent—



No. 7907

Brass Chrome Plated Soap Dish

Multi-Grip Patent, with four (4) screws. Fits any type stem.



Radiator Valve Handle

Black Moulded Asbestos with Plated spud. Multi-Grip Patent having four (4) screws. Will take round or square spud. Fits male or female thread ends. Diameter of handle $2\frac{1}{2}$.

Replacement Handles

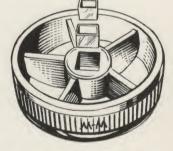


No. 7910

Brass Index Handle

Chrome Handle

Length 13/4 in. Open end type. Equipped with one set screw. Marked H or C.



No. 7911

Radiator Valve Handle

Black Hard Rubber Valve Handle. Diameter 2¼ in. Supplied with two (2) square brass sleeve inserts as illustrated, giving the handle three (3) different size adjustments.



No. 7912

Beaver Tail Brass Handle

Chrome Plated

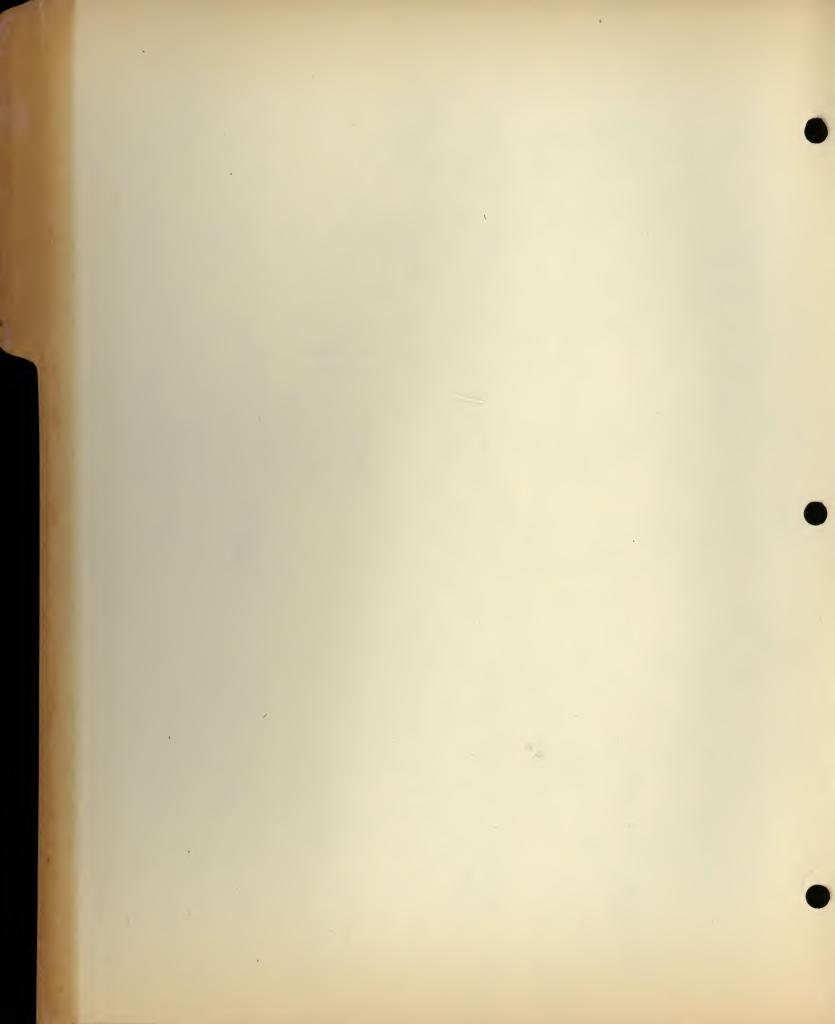
Fits W-W No. 6655 or No. 6656 Sink Faucet Length 3½ in. Fits W-W No. 6655 and No. 6656 Double Sink Faucet, Bath and Basin Faucets. Marked H on left-hand handle and C on right-hand handle.



Two-Screw Brass Handle

Chrome Plated

Length 3 in. Marked H or C. Has two (2) set screws which hold it firmly to the stem.







The Ever-White

MARINE PEARL SEATS

ARINE Pearl Seats represent the highest expression of the seat maker's art. Their splendid looking, luxurious surfaces are of DuPont Mother-of-Pearl Pyralin and none but the most experienced hands work on the finishing of these seats.

For a good many years Marine Pearl was considered a luxury and found only in the most pretentious bathrooms. Today they can be offered to customers at a price no greater than was asked several years ago for a good white seat.



No. 8305-C



No. 7991-C

EXTENDED BACK TYPE

Specifications: 11/2" Kiln Dried Close Grain Birch or Maple. Extended Back Type. Covering DuPont Marine Pearl Pyralin Sheets. Art-model offset Chromium-plated Hinge.

Catalog Numbers and Colors

No. 8304-C White Marine Pearl with lid.
No. 83041/2-C White Marine Pearl less lid.
No. 8305-C Black Marine Pearl with lid.
No. 8306-C Green Marine Pearl with lid.
No. 83061/2-C Green Marine Pearl less lid.

SQUARE BACK TYPE

Specifications: 11/4" Kiln Dried close grain Birch or Maple. Square back type. Covering DuPont Marine Pearl Pyralin Sheets. Sturdy all-brass Bartype hinge, Chromium-plated.

Catalog Numbers and Colors

No. 7990-C
No. 79901/2-C
No. 7991-C
No. 7991-C
No. 7992-C
No. 7992-C
No. 79921/2-C
No. 79921/2-C
No. 79921/2-C

At slight additional cost we make the above seats in special colors, providing sample of color is sent as a guide. No seat made up in a special color can be returned.





The Ever-White

SHEET COVERED SEATS

For a covering on Sheet Seats we use Pyralin. This Pyralin is the famous DuPont Pyralin. Not an imitation, but genuine DuPont Pyralin which costs more. Here in our plant we have worked very close with the DuPont organization in developing an extremely fine, smooth, high lustre, long-lasting finish.



No. 8000-C

No. 8000-C Square Back, Bar Hinge

Specifications: 11/4" Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin, highly polished. Chromium-plated all-brass Bar Hinge.

No. 8000-C—As illustrated, with lid. No. 80001/2-C—Same seat, without lid.



No. 8002-C

No. 8002-C Square Back, Open Front

Specifications: 11/4" Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin, highly polished. Chromium-plated all-brass Bar Hinge.

No. 8002-C —As illustrated, with lid.
No. 80021/2-C. —Same seat, without lid.



No. 7999-C

No. 7999-C Square Back, Bar Hinge

Specifications: I'' Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin, highly polished. Chromium-plated all-brass Bar Hinge.

No. 7999-C—As illustrated, with lid. No. 79991/2-C—Same seat, without lid.

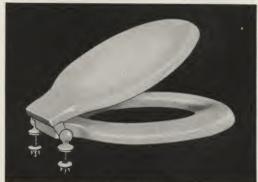




The Ever-White

SHEET COVERED SEATS

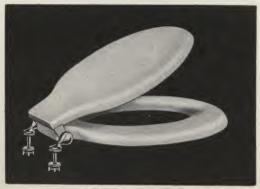
For a covering on Sheet Seats we use Pyralin. This Pyralin is the famous DuPont Pyralin. Not an imitation, but genuine DuPont Pyralin which costs more. Here in our plant we have worked very close with the DuPont organization in developing an extremely fine, smooth, high lustre, long-lasting finish.



No. 8200-W



No. 8202-W



No. 8200-C

No. 8200-W Extended Back Type

Specifications: 11/2" Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin. Brass offset Post Hinge covered with liquid Pyralin making an all-white seat.

No. 8200-W—As illustrated, with lid.
No. 82001/2-W—Same seat, without lid.

No. 8202-W Extended Back, Open Front

Specifications: 11/2" Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin. Brass offset Post Hinge covered with liquid Pyralin making an all-white seat.

No. 8202-W—As illustrated, with lid. No. 82021/2-W—Same seat, without lid.

No. 8200-C Extended Back Type

Specifications: 11/2" Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin, highly polished. Chromium-plated Art-model offset Hinge.

No. 8200-C—As illustrated, with lid. No. 82001/2-C—Same seat, without lid.





The Ever-White

SHEET COVERED SEATS

For a covering on Sheet Seats we use Pyralin. This Pyralin is the famous DuPont Pyralin. Not an imitation, but genuine DuPont Pyralin which costs more. Here in our plant we have worked very close with the DuPont organization in developing an extremely fine, smooth, high lustre, long-lasting finish.



No. 8205-C



No. 8004-C



No. 8005-C

No. 8205-C Extended Back, Open Front

Specifications: 11/2" Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin, highly polished. Chromium-plated Art-model offset Hinge.

No. 8205-C—As illustrated, with lid. No. 82051/2-C—Same seat, without lid.

No. 8004-C

Open Front for Extended Lip or Elongated Bowl

Specifications: 11/4" Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin, highly polished. Extra heavy Brass Hinge Chromium-plated.

No. 8004-C—As illustrated, with lid. No. 80041/2-C—Same seat, without lid.

No. 8005-C

Open Front and Back for Extended Lip or Elongated Bowl

Specifications: 11/2" Kiln Dried close grain Birch or Maple. Covering DuPont White Sheet Pyralin, highly polished. Extra heavy Brass Hinge Chromium-plated.

No. 8005-C. —As illustrated, with lid. No. 80051/2-C. —Same seat, without lid.





The Ever-White

SEAMLESS SEATS

Our sprayed seats are covered with Cellulose cotton base lacquer. This is different from synthetic lacquers and will not peel, craze or turn yellow.



No. 8333

No. 8333 Square Back Type

Specifications: 11/4" Kiln Dried close grain Birch or Maple. Covering DuPont White Pyralin in liquid form. All-brass Bar Hinge, Chromium-plated.

No. 8333—As illustrated, with lid. No. 83331/2—Same seat, without lid.



No. 8334

No. 8334 Square Back, Open Front

Specifications: 11/4" Kiln Dried close grain Birch or Maple. Covering DuPont White Pyralin in liquid form. All-brass Bar Hinge, Chromium-plated.

No. 8334.—As illustrated, with lid.
No. 83341/2—Same seat, without lid.



No. 8329

No. 8329 Square Back Type

Specifications: I" Kiln Dried close grain Birch or Maple. Covering DuPont White Pyralin in liquid form. All-brass Bar Hinge, Chromium-plated.

No. 8329—As illustrated, with lid. No. 83291/2—Same seat, without lid.





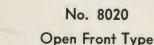
MAHOGANY SEATS

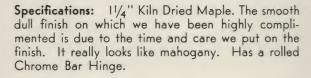


No. 8019

Specifications: 11/4" Kiln Dried Maple. The smooth dull finish on which we have been highly complimented is due to the time and care we put on the finish. It really looks like mahogany. Has a rolled Chrome Bar Hinge.

No. 8019—As illustrated, with lid. No. 8019/2—Same seat, less lid.





No. 8020—As illustrated, with lid. No. 80201/2—Same seat, without lid.



OAK SEATS



No. 8021

Specifications: 11/4" Kiln Dried Oak. We use a rubbed oil finish, instead of the usual cheap varnish. This highly enhances the appearance of the seat. Has a rolled Chrome Bar Hinge.

No. 8021 -- As illustrated, with lid.
No. 80211/2 -- Same seat, without lid.

No. 8022

Open Front Type

Specifications: 11/4" Kiln Dried Oak. Seat has a smooth soft satin finish, instead of the usual high luster, cheap varnish finishes. This greatly enhances the appearance of the seat. Rolled Chrome Bar Hinge.

No. 8022—As illustrated, with lid. No. 80221/2—Same seat, less lid.







HARD RUBBER SEATS



Government Type

No. 8050

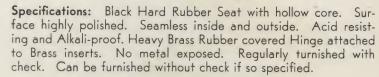
Open Front for Regular Bowl

Specifications: Black Hard Rubber seat with hollow core. Surface highly polished. Seamless inside and outside. Acid resisting and alkali-proof. Concealed type Brass Hinge moulded into the rubber. Posts also covered with hard rubber so there is no metal exposed. Regularly furnished with check on seats without cover. If no check is desired, please specify.

No. 8050—Seat as illustrated without lid. No. 80501/2—Seat with lid.



Closed Front for Regular Bowl



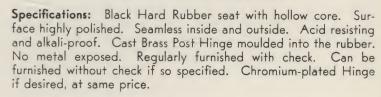
No. 8051—Seat as illustrated without lid. No. 80511/2—Seat with lid.



Government Type

No. 8052

Open Front, Saddled Seat



No. 8052—Seat as illustrated without lid. No. 80521/2—Seat with lid.

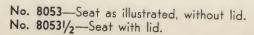


Government Type

No. 8053

Open Front for Elongated Bowl

Specifications: Black Hard Rubber seat with hollow core. Surface highly polished. Seamless inside and outside. Acid resisting and alkali-proof. Cast Brass Post Hinge moulded into the rubber. No metal exposed. Regularly furnished with check. Can be furnished without check if so specified. Chromium-plated Hinge if desired, at same price.





Government Type





HARD RUBBER SEATS

No. 8054

Open Front and Open Back for Regular Bowl

Specifications: Black Hard Rubber seat with hollow core. Surface highly polished. Seamless inside and outside. Acid resisting and alkali-proof. Hinge is of special construction and screws into a hinge plate moulded into the rubber in the back of the seat. Posts are covered with hard rubber so that no metal is exposed.

No. 8054—Seat as illustrated, without lid. No. 80541/2—Same seat with lid.



Government Type

No. 8055

Open Front and Back for Extended Lip Bowl

Specifications: Black Hard Rubber seat with hollow core. Surface highly polished Seamless inside and outside. Acid resisting and alkali-proof. Hinge is of special construction and screws into a hinge plate moulded into the rubber in the back of the seat. Posts are covered with hard rubber so that no metal is exposed.

Nc. 8055—Seat as illustrated, without lid. No. 80551/2—Same seat, with lid.



Government Type

No. 8056

Open Front and Back for Extended Lip Bowl

Specifications: Black Hard Rubber seat with hollow core. Surface highly polished. Seamless inside and outside. Acid resisting and alkali-proof. Hinge is of special construction and screws into a hinge plate moulded into the rubber in the back of the seat. Posts are covered with hard rubber so that no metal is exposed.

No. 8056—Seat as illustrated, without lid. No. 80561/2—Same seat, with lid.



Government Type

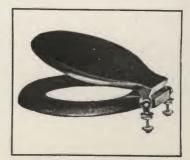
No. 8057

Closed Front with Lid for Regular Bowl

Specifications: Black Hard Rubber seat with hollow core. Surface highly polished. Seamless inside and outside. Acid resisting and alkali-proof. Concealed type Brass Hinge moulded into the rubber. Posts also covered with hard rubber so there is no metal exposed. Regularly furnished with check on seats without cover. If no check is desired, please specify.

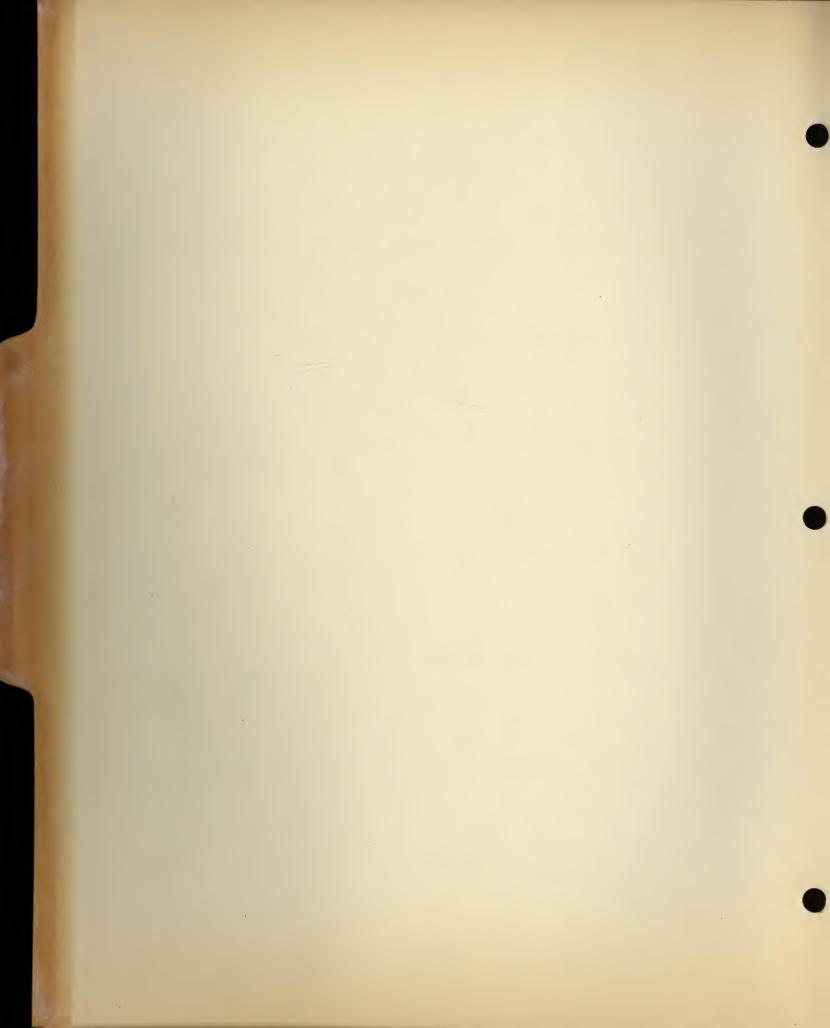
No. 8057—Seat as illustrated, with lid. No. 80571/2—Same seat, without lid.

All Four (4) Seats shown above meet Government Specifications.



Government Type



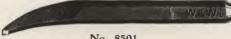






Quality Tools

Bent Picking Chisel



No. 8501

No. 8501.....8 in. long

Brick Chisel

No. 8502

Brick Chisel



No. 8503

No. 8503......5/8 in. x 12 in. long No. 8503½.....3/4 in. x 24 in. long

Cape Chisel



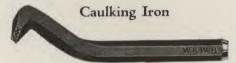
No. 8504

Caulking Iron, Double



No. 8506

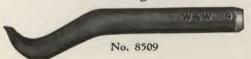
No. 8506......10 in. long



No. 8508

No. 8508. 1/8 in. bend, outside 6 in. long

Caulking Iron



No. 8509. . 1/8 in. bend, inside, 6 in. long

Caulking Iron



Caulking Iron

No. 8511



Caulking Iron



No. 8512.....9 in. long

Caulking Iron



No. 8513

No. 8513......Short, 63/4 in. long

Caulking Iron



No. 8514

No. 8514.....Outside stub, 5 in. long





Quality Tools

Caulking Iron



No. 8515

No. 8515......Inside stub, 5 in. long

Caulking Iron



No. 8516....."S" shape

Cold Iron Chisel



No. 8517

No. 8517..... $\frac{1}{2}$ in. x 6 in. long

Cold Iron Chisel



No. 8518

No. 8518.....3/4 in. x 71/2 in. long

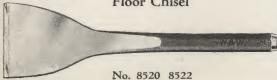
Diamond Nose Chisel



No. 8519

No. 8519......7 in. long

Floor Chisel



140. 8320 8322

No. 8520...... $\frac{5}{8}$ in. x 10 in. x 2 in. No. 8521..... $\frac{5}{8}$ in. x 11 in. x $\frac{21}{2}$ in.

Gasket Iron



No. 8523

Gasket Iron



No. 8524...... .. 5/8 in. x 12 in. long

No. 8525...... 3/8 in. x 15 in. long

No. 8526.......5/8 in. x 17 in. long

Spring Gasket Iron

No. 8527

No. 8527..... 5/8 in. x 18 in. long

Heavy Curved Packing Chisel



No. 8528

No. 8528...... $\frac{5}{8}$ in. x $\frac{7}{2}$ in. x $\frac{1}{2}$ in.

Round Nose Chisel



No. 8529

No. 8529.....7 in. long





Quality Tools

Star Drill

No. 8530

No. 8530.........3/4 in. x 12 in. x 1 in. No. 85301/2......3/4 in. x 24 in. x 1 in.

Star Drill

No. 8531B...... $\frac{3}{8}$ in. x 12 in. x $\frac{1}{2}$ in.

Straight Joint Chisel

No. 8532

No. 8532.....9 in. long

Wood Chisel

No. 8533..... 3/4 in. x 10 in. long No. 8533½...........½. in. x 9 in. long

Wood Chisel

No. 8534½.....5/8 in. x 101/4 in. x 11/4 in.

Wood Gouge

No. 8535

Outside bevel, 5/8" x 12" x 11/8"

Caulking Iron

No. 8536..... Outside, 7 in. long

Caulking Iron

No. 8537

No. 8537......Inside, 7 in. long

Closet Spud Wrench

No. 8538

No. 8538-(Highly Tempered Steel-Jaws will not spring), 111/2 in. long-

sizes 11/4 in. and 2 in.

Bending Pin

No. 8539

No. 8539......121/2 in. long

Wrecking Tool

No. 8540

No. 8540.....3/4 in. x 30 in. long

Caulking Iron

No. 8544.....R. H. Offset, 151/2 in. long

No. 8545....L. H. Offset, 151/2 in. long

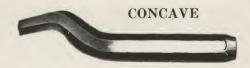




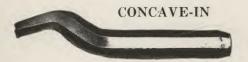
Water Main Caulking Tools



Nos . 8551-A-B-C-D-E-F-G-H-I



Nos. 8552-A-B-C-D-E-F-G-H-I



Nos. 8553-A-B-C-D-E-F-G-H-I



Nos. 8554-A-B-C-D-E-F-G-H-I

Any Catalog Number Plus			C 1/4	D 5/16	E 3/8	F 7/16	G 1/2	H 9/16	I 5/8
Blade Width	1	1	1	1	1	1	1	1	1
Stock	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
Length	634	6 3/4	6 3/4	6 3/4	$6\frac{3}{4}$	6 3/4	$6\frac{3}{4}$	6 3/4	$6\frac{3}{4}$

THE CATALOG NUMBER DESIGNATES THE STYLE OF TOOL AND THE LETTER FOL-LOWING THE NUMBER DESIGNATES THE WIDTH, THICKNESS AND LENGTH.

Water Main Yarning Tools

REGULAR



No. 8555-A No. 8555-B

No. 8556-A No. 8556-B

Number with A or B	A	В
Blade Thickness	1/16	1/8
Blade Width		1
Stock	7/8	7/8
Length	103/4	10¾

Screw Extractor for Removing Broken Valves



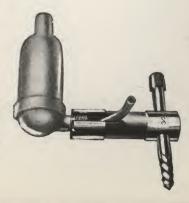
1/8"Pipe Die for Re-threading Valves

Slot to Accomodate Bent Stem on Valve 1%" Pipe Tap for Retapping Hole in Radiator

Radiator Tool

No. 8565

Here is a handy little Radiator tool that every Plumber and every Journeyman should carry. Has many uses and eliminates carrying several tools. Also useful on Oil Burner repair Jobs.









The "Clipper" Line OF CLEANING TOOLS

Journeyman: "Good Morning, I am from the Blank Plumbing Co. I came to repair the stoppage in one of your fixtures." Customer: "Oh, yes, but is that all the tools you brought?"



Customer: "My, what a neat arrangement, so clean and compact."

Journeyman: "Yes, this is the modern way of cleaning drains. No more dragging old dirty wires into the house, scratching furniture and staining rugs. My wire is all in this container."



Journeyman: Here's another cleaning job. I used the new "Clipper" cleaning wire and it certainly works fine. Did the job quickly and made a good impression on the customer."

Master Plumber: "Yes, that tool is certainly paying for itself and has built a lot of good will for us."







CLIPPER"CLEANING WIRES

GUADANTEE

We guarantee this Clipper Cleaning Tool for a period of six months from date of receipt. If within that time it should show a defect in material or workmanship, we will

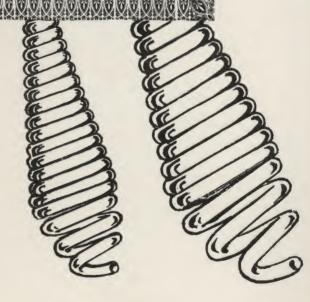
REPLACE IT FREE OF CHARGE

PROVIDED: You sign and return the enclosed card within three days after receipt of the Tool. Card must be signed and in our files in order to protect you.

WOODWARD-WANGER COMPANY

PHILADELPHIA, PENNA





New GIMLET

TYPE HEAD

As the name implies, this "Gimlet" type head will cut its way through obstructions quickly. Being a flexible head it will not catch on shoulders of pipe, nor on threads or nuts, but goes around sharp bends easily. It will catch and permit the pulling out of rags and similar obstructions.





"CLIPPER" CLEANING WIRES

These wires are made from Imported Swedish Steel. They are heat treated and case hardened with expert precision. They flex easily, take sharp bends readily, yet spring back quickly to their original shape.

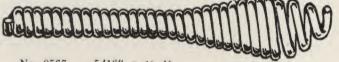
Our confidence in these wires is shown by the definite manner in which we guarantee each one. This guarantee is for a period of six (6) months.

Before shipping each wire is "stretched" to remove all false stiffness from it and it arrives ready for use.



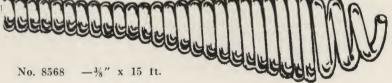
1/4" Wire

No. 8566 -\\'\alpha\'' x 15 ft. No. 8566-A-1/4" x 25 ft.



5/16" Wire

No. 8567 -5/16" x 15 tt. No. 8567-A -5/16" x 25 ft. No. 8567-B -5/16" x 50 ft.



No. 8568-A $-\frac{3}{8}$ " x 25 ft. No. 8568-B-3/8" x 50 ft.

No. 8569-A $-\frac{1}{2}$ " x 25 ft.

No. 8569-B $-\frac{1}{2}$ " x 50 ft.

No. 8569-C $-\frac{1}{2}$ " x 75 ft.

1/2" Wire





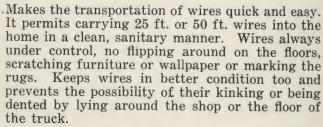
"CLIPPER" SPEED DRIVE



3/8". After the lock nut on the front end is set down tight, this gear-driven (two to one ratio) gun-like handle keeps the wire turning rapidly as it works its way into the pipe. Due to the rapid turning of the wire and the improved "Gimlet" head, it quickly digs and cuts its way through the obstruction in the pipe.

"CLIPPER" WIRE CONTAINER

No. 8571



Entering homes with this kind of modern equipment builds respect in the customer's mind for your up-to-dateness and your efficiency. It's the modern and sanitary way to carry cleaning wires.



"Push" Handle

No. 8573 - A 5½" Aluminum handle with noslip Grip for pushing wires into drains. Lock Nut prevents the handle from slipping.

ROTARY HANDLE

No. 8574 -Rotary handle, equipped with set screw for holding wire. Rotary motion of handle then turns wire going into drain.





No. 8574





Complete "Clipper" Cleaning Wire Equipment

- (1) "Clipper" Wire with Gimlet Head,
- (2) Patented "Speed" Drive
- (3) "Clipper" Wire Container

To Help the Master Plumber to select adequate Shop Equipment in the way of Cleaning Tools, we have grouped into sets, three different assortments for convenience sake, that we have found to be the assortments most frequently purchased.

Set No. 1

No. 8566 -Clipper Wire ¼" x 15 ft. No. 8568-A-Clipper Wire %" x 25 ft. No. 8570 -Patented Speed Drive Handle

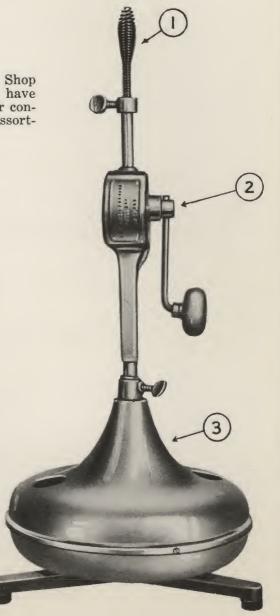
Set No. 2

No. 8566 —Clipper Wire ¼" x 15 ft. No. 8567 —Clipper Wire 5/16" x 15 ft. No. 8568-A—Clipper Wire ¾" x 25 ft. No. 8570 —Patented Speed Drive Handle

Set No. 3

No. 8566 —Clipper Wire ¼" x 15 ft. No. 8567 —Clipper Wire 5/16" x 15 ft. No. 8568 —Clipper Wire ¾" x 15 ft. No. 8568-B—Clipper Wire ¾" x 15 ft. No. 8568-B—Clipper Wire ¾" x 50 ft. No. 8570 —Patented Speed Drive Handle

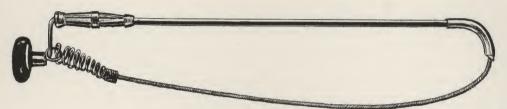
By adding No. 8575 "Husky" Closet Auger with Multi-Coil wire, the Master Plumber is prepared to handle any kind and any type of cleaning job that comes along.







Husky Closet Auger



No. 8575

CHOICE OF

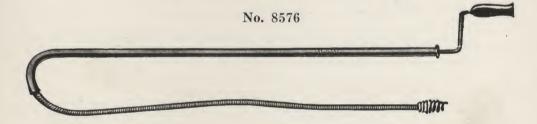
A very light, yet strong and rugged Closet Auger. It weighs approximately 3¼ lbs. The seamless Steel Casing is "sheridized" and the inside of the tube is coated with "asphaltum" to make the casing as nearly rust proof as possible.

Three feet of %" Multi-Coil 21 strand, the toughest wire made, with layers of wire running in different directions. In addition the wire is cadmium plated to retard rust and this greatly increases the life of the wire. Furnished with barrel type spring head, or cone shaped double pointed wire, as specified. Both welded on The "Husky" Auger is guaranteed for six months.

Specify No. 8575-A for Barrel Type Head or No. 8575-B for Cone Type Head

TWO HEADS

Economy Closet Auger



Made with Seamless Steel tubing, wooden handle. A well made and very serviceable Closet Auger, made for those who desire a good auger at an inexpensive price. Supplied with barrel type spring head welded on.

Multi-Coil Wire



No. 8577

Multi-Coil 21 strand wire is the toughest wire made, with layers of wire running in different directions. In addition we Cadmium plate the wire to make it as nearly as possible rust proof. This increases the life of the wire. If wanted with barrel type or cone type spring head, welded on, please specify, otherwise wire only will be sent.

No. 8577-Multi-Coil Wire per foot. Specify number of feet wanted. Order heads separately.

Spring Type Heads



No. 8578-A

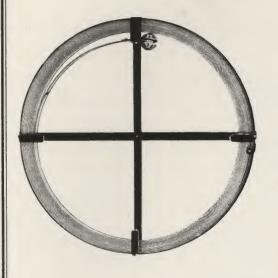
No. 8578-B

No. 8578-A -Barrel Type Spring Head No. 8578-B - Cone Type Spring Head





"CLIPPER" CLEANING RODS



With Brass Ball Head

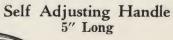
	Thic	k-	
No.	Width ness	Length	Dia. of Head
8579	$\frac{1}{4}'' \times \frac{1}{16}''$	25 ft.	1/2"
8580	$\frac{1}{4}'' \times \frac{1}{16}''$	50 ft.	1/2"
Add "R"	After Catalog	Number if re	eel is wanted.

With Revolving Roller Head or Revolving Spear Point Head

	Thick	-	
No.	Width ness	Length	Dia. of Head
8581	$\frac{1}{2}'' \times \frac{1}{16}''$	25 ft.	1"
8582	$\frac{1}{2}'' \times \frac{1}{16}''$	50 ft.	1"
8583	3/4" x 1/8"	25 ft.	$1\frac{1}{2}''$
8584	3/4" x 1/8"	50 ft.	11/2"
8585	3/4" x 1/8"	75 ft.	11/2"
8586	3/4" x 1/8"	100 ft.	$1\frac{1}{2}''$
8587	1 1/4" x 1/8"	75 ft.	27/8"
8588	1 1/4" x 1/8"	100 ft.	27/8"
Add "R"	After Catalog	Number if r	eel is wanted.

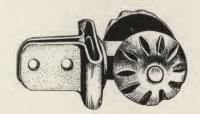
Reel or Holder for Rods

No.	8589-B	for	1/4"	and	1/2"	Sizes
No.	8589-A	for	3/4"	and	11/4"	Sizes



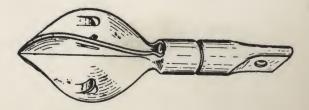


Revolving Iron Head



No. 8591 —1" O. D. for $\frac{1}{2}$ " Rods No. 8591-A —1 $\frac{1}{2}$ " O. D. for $\frac{3}{4}$ " Rods No. 8591-B —2 $\frac{7}{8}$ " O. D. for $\frac{1}{4}$ " Rods

Revolving Spear Head



No. 8592 $-1\frac{1}{4}$ " O. D. for $\frac{1}{2}$ " Rods No. 8592-A -2" O. D. for $\frac{3}{4}$ " Rods No. 8592-B $-2\frac{3}{4}$ " O. D. for $1\frac{1}{4}$ " Rods





CLEANERS and GRAPPLERS

GRAPPLER-5 ft. 6" long.



No. 8593

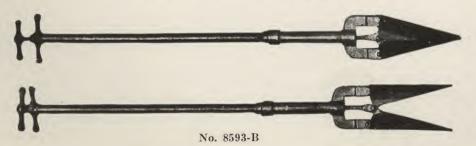
This unique and extremely efficient plumber's tool is what every plumber needs for removing obstructions from drains, rain conductors, hoppers, cesspools, water boxes and curb traps. It works like a human hand, opening and closing at the will of the operator. A practical and almost indispensable tool for the plumber. Another unique feature is that it can be extended to any length. The best tool of its kind on the market.

COMBINATION TOOL-5 ft. 6" long.



No. 8593 - A is a combination tool—three-in-one. It has a spoon, plunger and grappler combined. These parts are easily and quickly changed, so that you have at hand always the efficiency of three different and distinct tools by merely carrying the interchangeable parts. A set screw holds them in place. The stem is used in all cases, and can be extended to any length desired by using a longer extension piece. All three may be needed on one job. If so, you have something to meet any condition.

STOP BOX CLEANER-5 ft. 6" long.



No. 8593-B is a Stop Box Cleaner, and we believe it to be the best of its kind. It works like a pair of scissors. It is constructed of two steel shovels that open and close and it will clean out sand, bricks or any other obstruction. Can be extended to any length. Opens up to 3" to 4" diameter. Illustration shows the cleaner open and also closed.





Andree Basin Wrench

REVERSIBLE JAW OPERATES EITHER RIGHT OR LEFT

No. Part 8595-A—Small Jaw 8595-B—Large Jaw 8595-C—Bolt 8595-D—Spring 8595-E—Pin 8595-F—Washer Made of drop torged steel, strong and durable. Is 8 inches long and weighs but a pound. Operates either right or left and is easily adjusted. With large or small jaws.



Closet Spud Holder

ADAPTED FOR ALL SIZES
OF CLOSET SPUDS

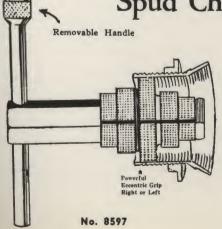
Jaws
Drop
Forged
from
Tool Steel



Handiest Internal Gripping Tool Ever Devised

Spud Chuck or Nipple Extractor

8596.....Closet Spud Holder and Nipple Holder, Combined



Designed for internal holding on hollow work. Invaluable for holding Closet Bowl Spuds, of any size, hence the name, Spud Chuck. This Spud Chuck will hold equally well against right or left pressure in removing or replacing fixtures. Entirely free from threads or gears. It expands by powerful eccentric action. All steel and plated to resist rust. Should last a lifetime.



No. 8597





Sloan Valve Tools

Tools made especially for repair work on Sloan Valves. This pair of Wrenches are designed especially for dissembling Sloan Valves for repair work. Both are needed. Order in pairs.



No. 8598-Set of Two Tools. Use "A" and "B" if ordered separately.

Emergency Tool



No. 8599

An Improved 6-in-1 tool with An improved 6-in-1 tool wit recessed guides.

1. Die for cutting 1½" tubes.

2. Die for cutting 1½" tubes.

3. Die for Ballcock Rods.

- Wrench for 11/4" Closet Bowl Spud. Wrench for 2" Closet Bowl
- Spud. Key Wrench for Waste, etc. Made of Tool Steel

Special Tool for Double Sink Faucet Couplings

No. 8600 Made of Steel. Length 73/4", diameter 1/2". A special tool, used for tightening up the couplings on a Double Sink Faucet by inserting the end in the square Hole of the Coupling. Eliminates the use of a wrench and avoids scratching outside plating on the fixture. A very useful tool.





Leather Tool Bag



Made from a selected quality of black leather and constructed in the best possible manner.

Has three-ply bottom, equipped with steel studs, substantial handle,

Shoulder strap has broad comfortable pad for the shoulder. Retaining straps of good width pass entirely around the bag and keep it in shape, even when overloaded.

No. Size 8608......22 in. long x 8 in. high

No. 8608

Khaki Floor Mat

No. 8611

Made of heavy, long wearing Khaki material. Indispensable when doing repair work in the home. Keep customers happy by keeping the job clean. Keeps tools and materials from scratching and marring woodwork and tile. Keeps dirt and grease off the floor. Size 36" x 54"



Bending Springs



Made of Spiral Crucible Tool Spring

No.	Siz	e	
8615	1	in.	8617
8616	11/4	in -	8618 2 in

Kink Klamps



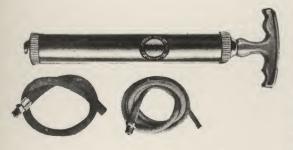
Designed to hold Nickel Plated and Chrome Plated pipe in Vise, to prevent the polished surface from being scratched.

No.				Holds Pipe
8623	 	 	 3/8	and 1/2 in.
8624	 	 	 1/2	and 3/4 in.
8625.,	 	 	 11/4,	13/8 and 11/2 in.
			3/4	





Force and Suction Pumps



Drain and Suction Pump
No. 8630

For draining bath, basin and sink traps, also Closet Bowls when houses are being closed for the season. A real time saver. The small rubber hose will pass through the holes in sink strainer and the pump quickly removes all water in the trap. The larger hose is designed to clear out syphon jet in bowls.

Strongly made with heavy gauge Brass barrel 1½" O.D. and 9 inches long, polished and lacquered. Heavy cast tee handle in Cadmium finish.

Boxed separately.

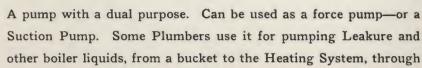
Force and Suction Pump

No. 8631

A pump that will clear out plumbing stoppages in the home quickly and efficiently. Has 1½" O.D. x 9 inches. Rubber cup 45%". Use water and operate the pump with both force and suction action of the plunger. On the upstroke it creates a powerful suction, and a tremendous pressure on the down stroke. The suction action breaks up or dislodges the stoppage in the line.

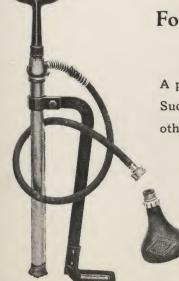


Force and Suction Pump



the Boiler drain valve.

It can also be used with Plumber's Friend or Force Cup, for clearing out clogged up Basin, Bath and Sink drains. This Pump is very strongly built of Brass and Bronze, with heavy cast iron handle and stirrup. There is constant need for such a pump in every plumbing shop.







Extension Light and Cord

Trouble Light and Cord

No. 8633

A real high-grade Trouble Light. Supplied with 25 ft. of heavily insulated rubber cord, a reflector shade inside the wire guard, hook at end of wire guard for hanging up on pipes or nails and also a ball joint rubber insulated clamp grip, for holding fast in those out-of-the-way places. Strong and sturdily built.





Aluminum Level



No. 8635

Die cast aluminum, length 9", width 5%", height 1½". Weight 4 ozs.
One plumb, one level and 45° vial with colored fluid, accurately marked. Grooved bottom for use on shafting. Top plate polished, satin finished sides. A pocket size all purpose level. Light, accurate and strong.

Master Rule Tape



No. 8636

Light and handy to carry in the pocket. Flexible metal rule, 72 in. long. With it you can make inside measurements, outside measurements, Height gauge, Depth gauge. Has precision lock.





Tools for Lead Work



Nos. 8653-8656

Drift Plugs

Lignum Vitae

			-1211HILL	AILUC		
No.			0		Diameter	Length
8653	 	 	 		1 in.	3 in.
					11/4 in.	3 in.
					1½ in.	3 in.
					2 in.	4 in.





Nos. 8660-8662

Turn Pins

	L	ignum Vitae		Largest
No.		_	Length	Diameter
8660			3 in.	13/4 in.
8661			3½ in.	2 in.
8662			4 in.	21/4 in.



No. 8670 Shave Hooks

				(J	V	2	ıl	i	a	n	C	l	1	ľ	r	ia	I	1,5	ŢĹ	ıl	a	ľ		
No.																			_						Shape
8670																									
8671																									.Triangular



Tap Borers

No.	Diloit und	Long 1	Description
8672		Short	(New York) Pattern
8673		Long	(Philadelphia) Pattern



No. 8689.....

Woodward Wanger Co.



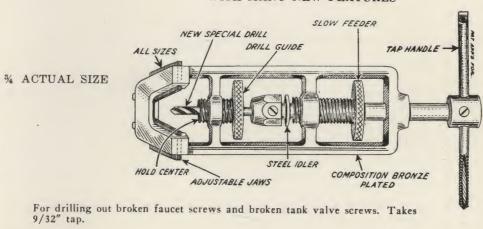
Twist Drills and Hand Drills



No.	Size	No.	Size
8677	16 in.	8682	7 in.
8678	32 in.	8683	1/4 in.
8679	/8 in.	8684	16 in.
8680	32 in.	8685	3/8 in.
9601	. 3		, 0

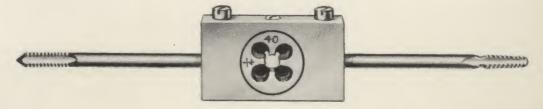
Plumber's Hand Drill

WITH MANY NEW FEATURES



Extractor, Tap and Die

For Refill Tubes and Float Rods



For Extracting Refill Tubes from Ballcocks and Re-threading the tubes, also for extracting Float rods and Re-threading the rods.

No. 8690— $\frac{1}{4}$ —40 Tap and Die for Refill Tube, and Extractor. No. 8691— $\frac{1}{4}$ —20 Tap and Die for Float Rods and Extractor.





Wood Auger Bits,



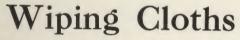
	Drills holes for	Size	No.	Drills holes for	Size
8695		1/2"			
8696		3/4"	8701		11/2"
8698		1"8"			13/4"
8699	3/4"	11/8"	8703-A		21/2"

Expansion Bit



This Bit is capable of being adjusted to a limit of 1/1000 of an inch by use of the micrometer screw which controls the adjustment. When adjusted to the desired size, any number of holes can be bored, and each hole will be of exactly the same size, as the cutters cannot slip or creep.

No.	Description	Capacity of Cutters
8704	Bit with two cutters.	5/8 to 11/8 in., 11/8 to 2 in.
8705	Bit with two cutters.	7/8 to 13/4 in., 13/4 to 3 in.





Herringbone

Plain	1 reated						
No.	No.					Size	
8719	T-8719	 	 	 	$.21/_{2}$	x 21/2	in.
8721	T-8721						
8723	T-8723	 	 	 	.31/2	x 31/2	in.
8724	T-8724						

Genuine Herringbone Ticking

Moleskin Wiping Cloths

Plain	Treated							_		_	
No.	No.								S	ize	
8744	T-8744	 			 ۰			. 21/2	x	21/2	in.
8746	T-8746										
8748	T-8748	 						.31/2	x	31/2	in.
8749	T-8749	٠.				 		$.31/_{2}$	x	4	in.

No.	Genuine	Moleskin	Cloth—Imported	Width
8755				27 in.







Tinners' Snips



Screw Drivers



No.																											Т			- 4 E	10		D1.	7	
8788	 																										T	_e	nξ	gti	1 0	Ι.	DI	ad	S
8780	 		• •		• •	• •	•	• •	• •	•	 •		•	٠.	 ٠.	٠		٠	٠.	٠	٠.	٠	 ٠		٠	٠.		٠.		٠.	٠.		4	in	
8789	 	• • •		٠.				• •		-	 *	• •		٠.	 ٠.	٠	 ٠	٠	٠.	٠				٠.									6	in	
0/90	 										 				 																		0		
8791	 			٠.	٠.			٠.			 ٠		٠		٠.		 		٠.													. :	01	in	



Bibb Seat Dresser









No.

8793 Faucet Seat Dresser, complete with one cach of the following sizes of cutters:

Cutter, \(\frac{9}{16} \) in. diam. for use with \(\frac{3}{2} \) in. Faucet.

Cutter, \(\frac{5}{8} \) in. diam. for use with \(\frac{1}{2} \) in. Faucet.

Cutter, \(\frac{3}{4} \) in. diam. for use with \(\frac{5}{8} \) in. Faucet.

Cutter, \(\frac{7}{8} \) in. diam. for use with \(\frac{7}{4} \) in. Faucet.

Cutter, \(\frac{7}{8} \) in. diam. for use with \(\frac{7}{4} \) in. Faucet.

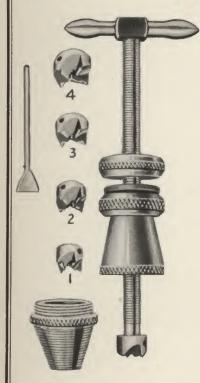
EXTRA CUTTERS

No.			Size
8794	 	 	9 in
8795	 	 	5/e in
8/90	 	 	3/4 in
8/97	 	 	7/2 in
8798	 • • • • • • • • • • • •	 	1 in.





Ferrell Bibb Seat Dresser



8 Outstanding Features

- (1) The New Improved Ferrell Reseating Tool will produce a raised round seat.
- (2) It is non-chattering and compact, taking up little room in the tool kit.
- (3) The simplicity of it makes it easy to operate.
- (4) It does the finest of workmanship which is 100% true.
- (5) The extra-long feed screw will permit it to be used on all types of bibbs and built-in fixtures.
- (6) The new friction lock nut and swivel arrangement permits you to feed and cut but a small fraction of an inch without loosening the friction nut.
- (7) Will avoid digging into the seat or cutting seat too deep.
- (8) Ferrell Faucet Tool is compact and is indispensable to every Master Plumber.

No. 8800-Ferrell Bibb Seat Dresser, as Illustrated

This set includes one 8½" Feed Screw, for use on Built-in Tub Fixtures. One Swivel Body with Lock Nut. One Cushion Washer. One Male Combination Reducing Cone with inside and outside thread. Four self-aligning Tool Steel Cutters that cut a raised, round seat. One pin for removing cutters.

Catalog Numbers of the Four Cutters Supplied With No. 8800

No. 8800-B Size \(\frac{5}{8}'' \) O. D. No. 8800-D Size \(\frac{3}{4}'' \) O. D.

No. 8800-C Size 11/16" O. D. No. 8800-E Size 27/32" O. D.

Other Cutters That Also Fit No. 8800 Tool

No. 8800-A Size ½" O. D. No. 8800-F Size 9/16" O. D. No. 8800-G Size 21/32" O. D. No. 8800-H Size 45/64" O. D. No. 8800-L Size 1" O. D. No. 8800-J Size 13/16" O. D. No. 8800-M Size 1½" O. D. No. 8800-K Size 15/16" O. D. No. 8800-N Size 1½" O. D.

Washer Cutter



Nickel-Plated Steel

Made of finely tempered Tool Steel, for cutting Washers from Leather, Rubber, Cloth Fabric and Mica. Will cut Washers ½" to 5½" in diameter.





Tap and Die Set



This set of Taps and Dies is indispensable for servicing bathroom fixtures and general faucet repairs.

DESCRIPTION

No. 8842—Complete set of Taps and Dies, includes one stock, one tap wrench, one small screwdriver and one each tap and die of the following sizes:

DIES	TAPS
No. 8848- 8-32	No. 8859- 8-32
No. 8850—10-32	No. 8861-10-32
No. 8851—10-24	No. 8862-10-24
No. 8852-10-28	No. 8863-10-28
No. 8853-1/4-20	No. 8864-1/4-20
No. 8854-1/4-40	No. 8865—1/4-40

Diameter of Dies, 13/16" O. D. Length of stock, 61/4"

Stocks and Dies

Improved
Pattern Adjustable Stocks
and Pipe Dies

ARMSTRONG PATTERN

NO. 1 STOCK AND DIES

No.	Description
8875	Complete Set—Consisting of one No. 1 Stock and one each 1/8, 1/4, 3/8 and 1/2 in. Dies
8877.	No. 1 Stock only

NO. 2 STOCK AND DIES

No.	Description
8890	Complete Set-Consisting of one No. 2
	Stock and one each 1/4, 3/8, 1/2, 3/4 and
	1 in. Dies
8891.	



EXTRA DIES FOR NO. 1 STOCK

No.	Size
8879	1/8 in.
8879	1/4 in.
8881	3/8 in.
8882	1/2 in.

EXTRA DIES FOR NO. 2 STOCK

NO. 1 STOCK No. No. Size Description 1/8 in. 1/4 in. 3/8 in. 1/2 in. 3/4 in. 8883 8892. Guide Handles 8893. 8885 . 8886 8888......Guide Screw

EXTRA PARTS FOR NO. 2 STOCK

No.	Descri	ption
8898.		Guide
8899.	Ha	ndles
8901.		Screw
	Guide	
8003	33.7.	ranah

EXTRA PARTS FOR





Thin Metal Tubing-Stock and Die



THE Greenfield Thin Metal Tubing Stock and Die is the first really satisfactory device ever produced for threading thin metal tubing. Because of the thin walls and easily scratched plated surface of thin metal tubing, old methods of threading with stocks equipped with external guides were very likely to crush the walls or mar the finish. This new device overcomes both of these difficulties.

Internal Expansion Bushing Guide

The Stock, the body and handles of which are made of aluminum, has several new and improved features, the principal one being an Internal Expansion Bushing Guide, which fits tightly inside the tubing and does not revolve. This eliminates any possible inside scratches which might pick up waste material and cause the tubing to clog when in use. It also prevents the crushing or distortion of the thin walls of the nickel or chromiumplated tubing, and leads the die straight on to the work.

In operation the Internal Expansion Guide, one of which is furnished for each size die, is inserted into the tubing approximately the full length of the bushing, and is expanded against the walls (see phantom view below) by simply turning the expanding nut on the rear end of the draw bolt. The stock and die in this position are virtually "locked on" to the tubing, in perfect alignment, and are ready to start

threading.

No Crooked Threads

Since it frequently happens that tubing is not cut off straight, there is a tendency in threading with other devices to start crooked threads, with the consequent danger of cutting through the thin walls. With the Greenfield stock and die "locked on" and in perfect alignment with the tubing, this tendency is entirely eliminated, and the stock with the free, easy-cutting Adjustable Round Split Dies, will produce straight, clean threads, and leave a spotless surface, both in and outside the tubing.



Internal Expansion Guide inserted in tubing holds stock firmly while threading.

No 8905-Includes one adjustable Round Split Die, and one internal Expansion Bushing Guide for each of the three cutting sizes. Tools packed in handsomely finished Hardwood Box as illustrated above. Regularly furnished with 27 Thread National Form, right-hand dies.

Cutting Sizes Furnished With

Set No 8905-

No. 8906-Size 11/4" No. 8907-Size 13/8" No. 8908-Size 11/2"

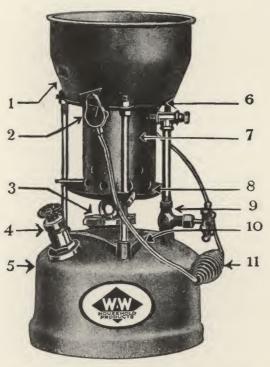
Additional Cutting Sizes Obtainable

No. 8909—Size 1" No. 8910-Size 11/8" No. 8911-Size 2"





Furnaces



No. 9113 furnace is the same as the No. 9114 except fitted with air valve and bulb instead of pump. Air valve has stuffing box nut to prevent leaks

- Shield is made in one piece from heavy sheet steel.
- Handle holds soldering irons. To lower handle, turn to other side of furnace.
- Reservoir has funnel. Filler plug has "DUST PROOF" CAP.
- "NEVER LEAK" pump which is a positive guard against leaks.
- Heavy seamless drawn steel reservoir and bottom. Three extra heavy bushings at top are brazed. Bottom is welded. POSITIVELY NO SOFT SOLDER USED. Capacity three-quarters gallon.
- New style reinforced top plate permits user to remove entire assembly (connecting pipe, tee, coil, ell and burner) as merely unscrewing union.
- Coil cup is made in one piece from heavy sheet steel.
- 8. Dished steel plate keeps heat from reservoir, catches over-flow from coil cup, also holds coil cup in place. By lowering this plate, coil cup can be lifted out. No nuts to unscrew.
- Entire assembly (connecting pipe, tee, coil, ell and burner) removed by merely unscrewing union. Not necessary to unscrew any nuts or to remove top plate.
- Malleable iron plate brazed to reservoir holds extra heavy uprights. Eliminates three openings.
- Handle is made of coppered steel wire and has two nickel-plated malleable iron ears and nickel-plated wire grip.

All brass fittings and malleable iron castings are extra heavy. Coil made of 1/8" extra heavy pipe.

No. 9113	CapacityFurnace	with	Bulb
No. 911434-Gallon	CapacityFurnace	with	Pump

Repairs for the above furnaces

B-9086Reducer	B-9092Ell	B-9098Air Valve	B-9104Tee
B-9087Dip Tube	B-9093Filler Plug	B-9099Plug	B-9105Top Plate
B-9088Burner	B-9094Handle Ears	B-9100Pump	B-9106Upright
B-9089Connecting Pipe Ell	B-9095Handle	B-9101Reservoir	B-9107Valve
B-9090Coil	B-9096Bottom Nut	B-9102Shield No. 1 (for 5 in. Pot)	B-9108Wire for Coil
B-9091Coil Cup	B-9097Top Nut	B-9103 Shield No. 24 (for 6 in. Pot)	B-9109 Shield No. 3

Repairs can be furnished for Clayton & Lambert Furnace No. 22A (See Price Book)



Melting Pots

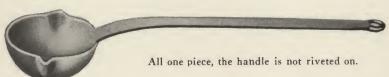
Made from a very high grade of gray iron and equipped with strong steel handle.

No.	Diameter	Depth	Capacity	Weight
9118	$4\frac{3}{4}$ in.	3 in.	10 lbs.	33/4 lbs.
9119	55/8 in.	$3\frac{3}{4}$ in.	15 lbs.	71/4 lbs.





Ladles



No.	Diameter	Depth	Length
9122	$2\frac{1}{2}$ in.	11/4 in.	13 in.
9123	3 in.	13/8 in.	14 in.
9124	3½ in.	$1\frac{1}{2}$ in.	15 in.
9125	4 in.	13/4 in.	16 in.
9126	5 in.	2 in.	17 in.

Asbestos Joint Runners



Asbestos Joint Runners-Square

Made from good quality of long fibered Asbestos. Well finished and fitted with strong, durable Clamp.

No.	Description
9130For Pipe, 2, 3 and 4 in.	Diameter
9131 For Pipe, 4, 5 and 6 in.	Diameter
9132 For Pipe, 6, 8 and 10 in	. Diameter
9133Spring Clamp with Cha	in for use with above Joint Runners



Peerless Joint Runner

The clamps and thumb screws are of wrought steel and the pouring cup of malleable iron.

In operating this clamp it is only necessary to release one end of the rope. The steel thumb screws work on a multiple thread making the operation very rapid.

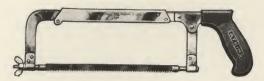
The "PEERLESS" holds the rope more snugly and firmly around the pipe than others, and as it stands upright, it is more convenient to pour into than the old style joint runner.

No.	Description
9134	For Pipe, all sizes, 2.6 in.





Hack Saw Frames



No. 9149

Pistol-Grip Hack Saw Frame. Polished Nickel Plate. Adjustable for blades 8" to 12" long. Open-grip, hard-rubber handle. Frame of high-grade steel, 3/16" thick and 11/16" wide. Will cut at four different angles.

No. 9149 Hack Saw Frame



No. 9150

Extension Frame. Polished Nickel Plate. Made of high-grade steel, 3/16" thick and 5\%" wide. Black lacquered polished wood handle. Adjustable for blades 8" to 12" long. Will cut at four different angles.

Midget Hack Saw Frame



A handy tool for the Master Plumber. Inexpensive and indispensable. For those small and hard-to-get-at places. Takes a 6" Wave-Set Blade; 32 teeth to the inch.

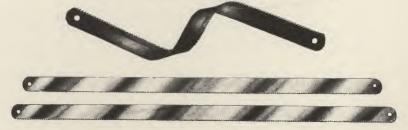
No. 9151 Frame Only

Blades for Midget Frame

These Wave-Set Blades are 6" long and have 32 teeth to the inch. Thickness, .014. Made expressly for use with Midget Hack Saw Frame No. 9151.

No. 9152 Midget Blades

Hack Saw Blades



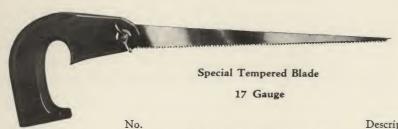
The above cut shows the principle of our "Flexible Back" Blades. The teeth only are hardened, the back remaining in an untempered condition, which prevents the blade breaking, thus insuring the user full efficiency until the teeth are worn. Made of Tungsten Alloy Steel.

32 Teeth to inch		24 Teeth to Inch	
No.	Size	No.	Size
9155	8 in.	9159	8 in.
9157	10 in.	9161	10 in.
9158	12 in.	9162	12 in.





Compass Saws



No.

9163 Compass Saw Nest (Including one each, 10 in., 12 in. 14 in. Blades and Wood Handle)

The 14 in. Blade furnished with this Nest is specially tempered for cutting wood in which nails are imbedded, lead pipe, and other obstructions encountered in the ordinary course of plumbing.

Compass Saw Blades

No.	Size	Description
9164 9165 9166 9166-A 9167	12 in. 14 in. 14 in.	Small Blades Similar to 10 in. Blade. Medium size Blade illustrated in No. 9163 Tempered to cut nails, lead pipe, etc. Large Blade,

No. Wood Handles for Compass Saws
No. Wood Handle, with Tightener



Aluminum Handles for Compass Saws

No. 9171 Aluminum Handle with Tightener



FOR GASOLINE

Plumbers' Torch

Reservoirs of heavy, seamless, drawn brass. Patented "Never Leak" Pumps have the screw-down feature. When plunger is screwed down and out of the way, the tapered point on the bottom of the plunger acts as a positive check valve, providing safety and preventing leaks. The funnel-shaped brass bottoms are fitted with filler plugs to permit easy bottom filling. One of the most popular of all Plumber's Torches.

No.
9173.....Plumber's Torch (One quart capacity)

PARTS FOR TORCH

No.	
9174	Air Pump
9175	·····Corks
9176	Springs
	Cups
9178	Burner, complete





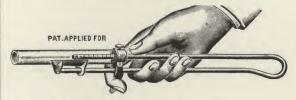


Malleable Iron Oil Can

This can is made with malleable iron body, spring brass bottom and sheet-steel spout. It is carefully tested for leaks and painted with rust-proof bronze paint.

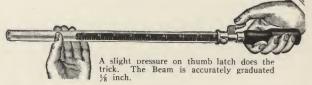
No.	Diameter
9179	31/4 in

The Fletcher Gauge Glass Cutter



No. Description 9184..... Gauge Glass Cutter

The Wilkins Gauge Glass Cutter



No. Capacity Weight 9185......Cuts to 8 in. lengths 6 oz.

Plumber's Pliers



Made with knurled handles. A well-proportioned, drop-forged, combination plier with wire cutter.

No.	9186													6	in.
No.	9186A													8	in.
No.	9186B													10	in.



This bent-nosed plier is made with 30-degree offset nose, which permits its use in many places that are inaccessible with the ordinary straight-nose plier.

No.	9187				٠		•						٠			8	in.
No.	9187A		 					٠								10	in.



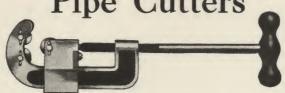
Made of finest-grade alloy steel Has three adjustments for extending the opening, instead of the usual two. Jaws so constructed that it can be used where ordinary pliers will not fit.

No. 9188 Regular Weight 8 in. No. 9188A Thin design, four adjustments ..10 in.





Pipe Cutters



Barnes Three-Wheel Pipe Cutters

The Three-Wheel Cutter is especially suited for use in close work, where it is impossible to revolve the cutter entirely around the pipe. Both Wheels and Pins are made from the best grade of crucible steel, carefully machined and hardened in oil to give additional toughness.

No.	Description
9197	Pipe Cutter No. 1 Cuts Pipe 1/8 to 1 in.
9198	Pipe Cutter No. 2
9199	Pipe Cutter No. 3 Cuts Pipe 11/2 to 3 in.

Pipe Cutter Repair Parts



Barnes Pipe Cutter Parts WHEELS

No.		D	escrip	tic	n
9230	Wheels	for	No.	1	Barnes
9231	Wheels	for	No.	2	Barnes
9232	Wheels	for	No.	3	Barnes
9233	Wheels	for	No.	4	Barnes



Saunders Pipe Cutter Parts WHEELS

No.		D	escrip	tic	n
9240	Wheels	for	No.	1	Saunders
9241	Wheels	for	No.	2	Saunders
9242	Wheels	for	No.	3	Saunders



Trimo Pipe Cutter Parts WHEELS

No.		De	escrip	tio	n
	Wheels Wheels				



PINS

No.			Desc	crip	otion
9235	Pins	for	No.	1	Barnes
9236	Pins	for	No.	2	Barnes
9237	Pins	for	No.	3	Barnes
9238	Pins	for	No.	4	Barnes



PINS

No.			Desc	rip	otion
9245	Pins	for	No.	1	Saunders
9246	Pins	for	No.	2	Saunders
9247	Pins	for	No.	3	Saunders



ROLLERS

No.		D	escrip	otic	on
9250	Rollers	for	No.	1	Saunders
9251	Rollers	for	No.	2	Saunders
9252	Rollers	for	No.	3	Saunders



No. Description 9258 Pins for No. 1 Trimo 9259 Pins for No. 2 Trimo



ROLLERS

No.		D	escrip	otic	n
	Rollers Rollers				





Genuine Stillson Pipe Wrenches



WITH STEEL HANDLES

WITH STEEL HANDLES

			WALL BILLE III	TINT	LO
No. 9293. 9294. 9295. 9296.	6 in. 8 in. 10 in.	1/8 to 3/4 in. 1/8 to 1 in.	9297 9298 9299	18 in. 24 in.	$\frac{1}{4}$ to $2\frac{1}{2}$ in.

JAWS

9300. 9301. 9302 9303 9304

9305.. 9306..







Nut

FRAME PINS

140.										26
9336					į.	į.			6	in.
9337									8	in.
9338		,							10	in.
9339										
9340										
9341										
9342		٠		۰			٠		36	in.

FRAMES

INAMES															
No.														Si	ze
9308.														6	in
9309.															
9310.														10	în
9311.			·											14	in
9312.														18	in
9313.														24	in
9314.														36	in

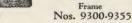
WOOD HANDLES

W	L	4	·	,	L	,	I	1	t.	1	T.	Y	L,	JLE	1
No.														Si	
9316														6	il
9317														8	
9318	,							,						10	i
9319														14	i

Genuine Stillson Pipe Wrench Repairs

Jaw

NUTS FOR JAY



W SPRING P Size No. 6 in. 9328 8 in. 9329 0 in. 9330 4 in. 9331 8 in. 9332 14 in. 9333 6 in. 9334	
Size No. 6 in. 9328. 8 in. 9329. 0 in. 9330. 4 in. 9331. 8 in. 9332. 4 in. 9333.	IN
8 in. 9329. 0 in. 9330. 4 in. 9331. 8 in. 9332. 4 in. 9333.	
8 in. 9329	
4 in. 9331	
8 in. 9332	
4 in. 9333	
6 in. 9334	

	ze		
)	in.		
	in.		
)	in.		
ļ	in.		
ŀ	in.		
	in		

END NUTS

	No.									Size
	9344						٠			6 in.
1	9345				,			,		8 in.
1	9346									10 in.
	9347					٠				14 in.

SPRINGS

							_	7		
No.										ze
9349	١.								6	in
9350	١.								8	in
9351				ı					10	in
9352					,		ı	,	14	in
9353										
9354										
9355										

"W.W." **Tubing Expanders**

For Joining and Lengthening Nickel-Plated Tubing



No. 9422



No. 9423

No.



No. 9424

No. Description 9422

Complete Set, for 11/4, 13/8, 11/2 and 2 in. tubing

No. Description

9423 For 11/4, 13/8 and 11/2 in. tubing

9424 For 2 in. tubing only

Description

The "W-W" Tubing Expander in Use



The "W-W" Tubing Expanders are made of high-grade tool steel and will last indefinitely. By driving the tool into the end of tubing it is expanded sufficiently for a distance of 1/2 inch, so that another piece of tubing of the same size can be inserted and sweat in. Tubing lengthened by this method always presents an attractive appearance, and the work can be neatly and quickly done without the use of a collar.





The Warnock Wrench



This wrench has been, for many years, the standard among plumbers for a light, convenient and reliable tool for installing polished and N. P. pipe. Furnished complete with looped strap.

No.

Description

9426.

12 in. Takes Pipe 1/4 to 2 in.
9427.

18 in. Takes Pipe 1/2 to 5 in.

The Reed Wrench

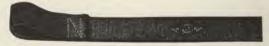
For Nickel Plated Pipe



Straps for Wrenches for Nickel Plated Pipe



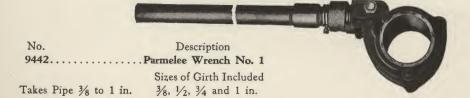
No. Strap (Plain)
9433.....12 in. Plain Strap for 12 in. Wrench
9434.....18 in. Plain Strap for 18 in. Wrench



Strap (Looped)

943612 in. Looped Strap for 12 in. Wrench 943718 in. Looped Strap for 18 in. Wrench

The Parmelee Wrench



Extra Girths for Parmelee Wrenches GIRTHS FOR NO. 1 WRENCH

No.	To Hold P	Pipe	
9446	3/8 in.	9448 3/4 :	in.
9447	$\frac{1}{2}$ in.	9449	in.





Soldering Coppers

Prices do not include handles.



No.	Weight Each	Weight Per Pair	•	Weight Each	Weight Per Pair
9470		1 lb.	9473		3 lbs.
9471	3/4 lb.	11/2 lbs.	9474		4 lbs.
9472	1 lb	2 lbs			

Soldering Iron Handles





Vulcan Pipe Vise Mount

This serviceable combination consists of three superior drop forgings, drilled and threaded, ready to receive suitable lengths of standard pipe for use as legs. This will make a firm and portable stand for use anywhere which may be easily transported from place to place.





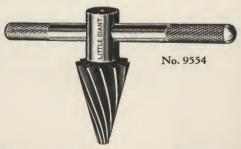
	For Vulcan	n
No.	Vise	Description
9548	No. 1	Three drilled and threaded Arms
		with Bolts and Nuts-Less Legs
9549	No. 2	Three drilled and threaded Arms
		with Rolts and Nuts-I ass I age

Spiral Fluted Burring Reamers

FOR PIPE. ALSO FOR COUNTERSINKING



Nos. 9550-9553



					4309	
	Total	Length	Size at	Size at	Style of	For Reaming
No.	Length	of Flute	Point	Large end	Shank	Pipe
9550	3 in.	1 in.	$\frac{7}{32}$ in.	3/4 in.	Bit Brace	1/8 to 1/2 in.
9551	318 in.	1 % in.	16 in.	1 32 in.	Bit Brace	3/8 to 1 in.
9552	4 16 in.	218 in.	15 in.	$1\frac{5}{32}$ in.	Bit Brace	1/4 to 11/4 in.
9553	51/4 in.	21/2 in.	₹ in.	$2\frac{9}{32}$ in.	Bit Brace	1/4 to 2 in.
9554	53/8 in.	3 18 in.	7 in.	232 in.	T Handle 20 in. long	1/4 to 2 in.





Soil Pipe Testing Plugs

WING NUT PATTERN

No.		Size
9600	 	 2 in.
9601	 	 3 in.
9602	 	 4 in.
9604	 	 6 in.

"Y" BRANCH DOUBLE TESTING PLUGS

No.												Size
9614												2 in.
9615												3 in.
9616												4 in.

RATCHET PATTERN

140.												Size
9605									٠			2 in.
9606												3 in.
9607												4 in.
9608												5 in.
0600												6 in

WRENCH FOR RATCHET TESTING PLUG

No.														
9610.	 													Wrench

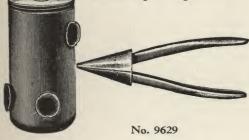


Lead Pipe Cutter



Capacity up to 11/2 in. pipe

Lead Pipe Expander



9629 Expander

Hammers



No.			1	B	a	1	1	I)	e	iı	n	I	-	[a	11	r	11	r	16	21	6		Weight
9643.											۰													1 lb.
9644.																								11/4 lb.



No.	Plumbers Hammers	Weight
9645 9646	• • • • • • • • • • • • • • • • • • • •	1 lb.



1 3 300

